

Product Guide
Effective from 1st January 2022



P22

ACO Access

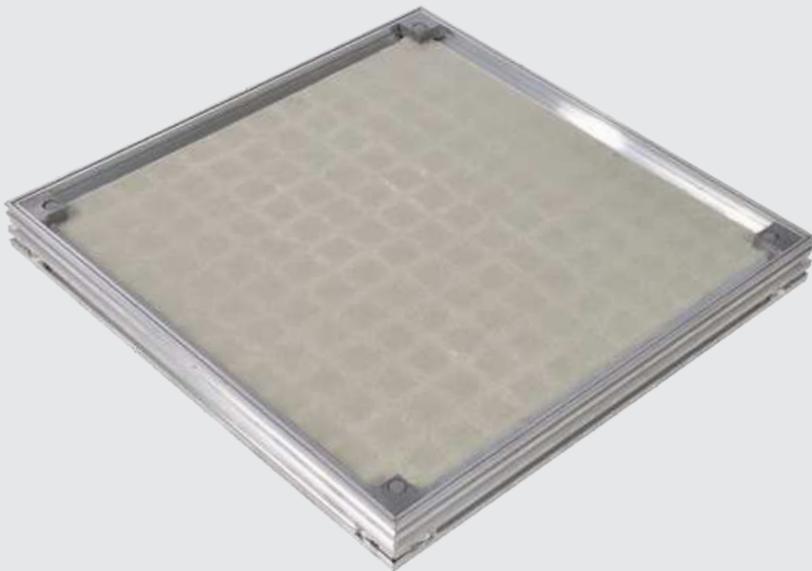
Floor access covers for
building applications

ACO Access

Specialist floor access covers for a wide range of building applications, provide a high quality finish and easy access to underlying services. Recessed and solid cover options available suitable for both hard and flexible floor finishes. Material options include aluminium, galvanised steel and stainless steel. Standard and engineered solutions for pedestrian or vehicle applications.

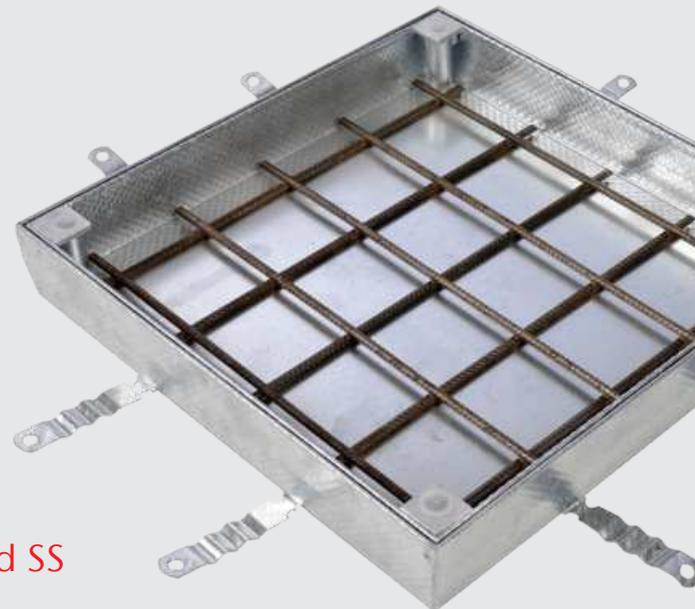
ACO UniFace™ AL SHALLOW

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ACO UniFace™ GS and SS

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Introduction to ACO Floor Access Covers

“Hidden depths...”

ACO is synonymous around the world for quality, innovation and outstanding design. Our wealth of experience, technical knowledge and manufacturing expertise ensures our range of floor access covers delivers choice, function and style to our customers for a wide range of internal and external building applications.

ACO's floor access cover range provides a high quality finish and easy access to underlying services and ducting. ACO UniFace™, our range of recessed access covers, and ACO UniTop™, our range of solid covers, are designed for internal and external applications associated with both commercial, private and public sector buildings.

Typical applications include areas used by pedestrians, light vehicle traffic and heavier traffic such as forklifts. Available in a choice of materials including aluminium, hot dipped galvanised steel and stainless steel grade 304 as standard. ACO access covers can also compliment a variety of hard and flexible floor finishes including concrete, epoxy, terrazzo, carpet, vinyl, stone or ceramic tiles.

With a comprehensive range of standard clear opening sizes from 200 to 1200mm, ACO floor access cover can be supplied either as single units or for ducting and multi span applications. Manual lift or gas spring assisted versions are also available to suit the intended method of opening, frequency and ease of operation.

ACO UniFace™ and ACO UniTop™ floor access covers are manufactured using recycled materials and at end of life can be 100% recycled contributing to a sustainable environment and building practices.

Our complete range of floor access covers is tested to the Fabricated Access Cover Trade Association (FACTA), specification for fabricated access covers. As a member of FACTA all ACO floor access covers use FACTA classifications for ease of selection and specification. See our load class and product selector on page 6 for further details.





Load class guide and product selector

ACO floor access covers are tested to the Fabricated Access Cover Trade Association (FACTA), specifications for fabricated access covers. All ACO floor access covers use FACTA classifications to assist specifiers in the correct selection of our products. FACTA classifications provide a simple and practical guide to the performance of access covers to ensure safe, long term, trouble-free service.

All load classifications stated for ACO UniFace™ recessed access covers are for covers filled as stated (see technical data for further details) with 28 day cured grade C35/45 concrete to BS EN 206:2013, or a fast-curing cementitious infill material of at least equivalent performance.

All load classifications for ACO UniTop™ solid covers are for products as supplied.

The table below provides a guide to FACTA application classes, approximate vehicle weights (GLVW) and the maximum wheel loads appropriate for each class and product. If you are in any doubt as to the suitability of our products for an application please contact the ACO Access technical team for further advice.

For further information regarding FACTA classifications, go to www.facta.org.uk/specification.pdf

ACO do not recommend the use of the any of the products stated in the table below for carriageway use or for vehicle traffic travelling at a speed greater than 20 mph. To request copies of our product test reports or for further information please contact the ACO Access Technical team on +44 (0) 1462 810431 or by emailing actechnical@aco.co.uk.



FACTA Class	Gross Laden Vehicle Weight (GLVW)	Maximum Wheel Loads (slow moving*)		Typical Applications	
		Pneumatic Tyres	Solid Tyres	Pneumatic Tyres	Solid Tyres
A 	Pedestrian duty	0.5 tonnes	N/A	Internal and external areas which can only be used by pedestrian, wheelchairs or cycles e.g. offices, toilets, changing rooms, footways and cycles tracks	
AA 	Up to 5 tonnes	1.5 tonnes	N/A	Very light industrial areas, where small trolleys and private cars/vans can manoeuvre e.g. domestic driveways, trolley parks, hospital wards	
AAA 	Up to 10 tonnes	2.5 tonnes	0.5 tonnes	Delivery or service areas, shopping centres and light industrial areas	Light industrial areas, where trolleys and light pallet trucks operate
B 	Up to 25 tonnes	5.0 tonnes	0.75 tonnes	Pedestrian precincts, forecourts, light commercial delivery and parking areas	Factories, industrial plants where small pallet trucks operate
C 	Up to 38 tonnes	6.5 tonnes	1.0 tonnes	Factories, industrial plants, commercial delivery areas	Industrial areas where pallet and small fork-lift trucks operate
D 	Up to 44 tonnes	11.0 tonnes	3.0 tonnes	Heavy duty plant and delivery areas where HGV's can reach speeds of 20mph max.	Heavy duty industrial areas where medium duty fork-lift trucks operate.

Selecting the correct size of access cover

Once a suitable access cover type has been selected for a particular application, loading, material and flooring finish, the appropriate cover size can be chosen to fit the shaft opening over which it will be placed.

The shaft opening or clear opening (dimension A x B see image) as it is referred to within our technical data defines the maximum shaft opening size at which each access cover design can be safely operated. It is recommended that an access cover with a clear opening (A x B) size either equal to or up to a maximum of 20mm larger than the actual unsupported shaft opening size may be used.

Warning!

It is not recommended that any part of the access covers frame overhangs the unsupported shaft opening once installed. Access covers with a clear opening (A x B) smaller than the unsupported shaft opening are not recommended and may lead to premature failure in service.



Liquid and odour tight sealing

ACO floor access covers are fitted as standard with EPDM seals in order to prevent the ingress/egress of liquid and odour at normal atmospheric pressure. Typical applications may include areas where runoff from rainwater, swimming pools, changing/shower areas, spillages and cleaning operations may be encountered.

For access cover solutions suitable for specific back pressure applications or those designed to be submerged for long periods please contact the ACO Access Technical team on +44 (0) 1462 810431 or by emailing actechnical@aco.co.uk

ACO UniFace™ recessed access covers				ACO UniTop™ solid access covers						
AL Shallow	AL Smart	AL	AL Duct	GS and SS	GS and SS ASSIST	GS AND SS Multi	AL Solid	GS and SS Solid	GS and SS Solid Assist	GS and SS Solid Duct
✓	↓	✓	✓	↓	↓	↓	✓	↓	↓	↓
	✓	✓		↓	↓	↓		✓	✓	✓
				✓	✓	✓		✓	✓	✓
				✓	✓	✓				
				✓	✓	✓				

* Slow moving wheel loads are deemed to be speeds no greater than 20 mph
 ✓ Product available at load classification
 ↓ Product suitable for application

ACO Contact Details



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ACO Access Covers Lead Times and Delivery Charges

Effective from 1st January 2022

Deliveries

Product	Lead Time	All deliveries
Core Stock Products		
UniFace™ AL SHALLOW*	3-5 days	Minimum order value is £300 nett. Should order be < £300 carriage of £49.50 will be charged.
UniFace™ AL SMART		
UniFace™ AL*		
UniFace™ AL SHALLOW VINYL*		
UniFace™ AL VINYL*		
UniFace™ GS AND SS*		
UniTop™ AL SOLID*		
UniTop™ GS AND SS SOLID*		
All Cover Spares		
Non Core Stock Products		
UniFace™ AL DUCT	Call sales office for best delivery	Minimum order value is £300 nett. Should order be < £300 carriage of £49.50 will be charged.
UniFace™ GS AND SS ASSIST		
UniFace™ GS AND SS MULTI		
UniTop™ GS AND SS SOLID ASSIST		
UniTop™ GS AND SS SOLID DUCT		

* Please see specific product pages as some lead times may vary.

Important Notes:

Areas	This document refers to England, Scotland and Wales (For Channel Islands, Isle of Wight, Isle of Man, N. Ireland & Eire please contact Sales Office).					
Customer Orders	ACO do not accept verbal orders. Written orders can be sent via e-mail or EDI.					
Order Cut Off Times	All orders for stock items accepted before 12 noon will be delivered 2 working days later (for 3 day lead times) and are subject to public holidays.					
	Orders received by 12.00 noon on:	Monday	Tuesday	Wednesday	Thursday	Friday
	Delivery due:	Wednesday	Thursday	Friday	Monday	Tuesday
Lead times	Lead times quoted are subject to availability and order volumes.					
Deliveries	Standard deliveries are Monday to Friday between 8am and 5pm. Non-standard deliveries and offload services will incur additional charges and may extend delivery lead time.					
Order Amendments	Order amendments must be received in writing before 3.30pm on the same day that the order is received by abdcommercial@aco.co.uk . Amendments received after this time may be subject to handling and administration charges.					
Order Cancellations	Order cancellations must be received in writing before 3.30pm on the same day that the order is received by abdcommercial@aco.co.uk . Cancellations received after this time may be subject to handling and administration charges.					
Stock Returns	Stock items may be returned up to 3 months after invoicing by ACO, subject to prior written agreement and minimum 35% re-stocking charge plus return carriage. Goods must be in a re-saleable condition as delivered, and appropriately packaged and labelled prior to return. Please note, Non core stock products are non returnable as these are made to order and cannot be taken back into stock.					

Delivery Charges:

Standard delivery is £49.50 where applicable. Other delivery services are available. Please contact the Sales Office for pricing and lead times.

Collection:

Collections must be pre-arranged 48 hours or more prior to collection date

ACO collection reference must be quoted at time of collection

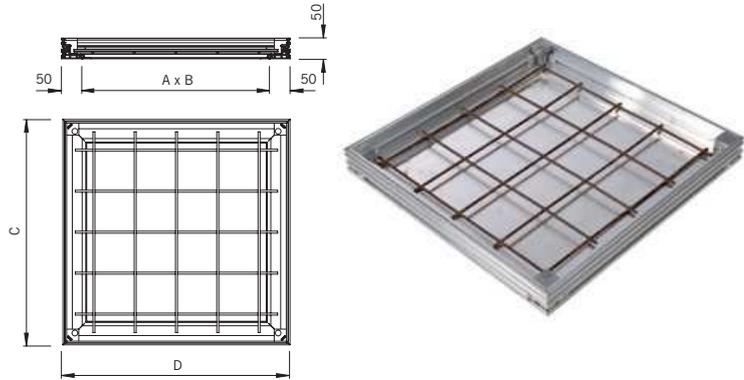
Collections can be made Monday to Thursday between 9am and 3pm or Fridays between 9am and 11am.

This document is in addition to our standard Conditions of Sale which can be found at the back of this product guide or on the ACO website www.aco.co.uk. Further copies are also available from the Sales Office. To contact the Sales Office please call 01462 810421.

ACO UniFace™ AL SHALLOW Recessed Access Cover Range

ACO Product Benefits

High quality aluminium single recessed floor access covers with a frame depth of only 50mm. Ideal for pedestrian, trolley and light duty car/van traffic applications where installation depths are restricted. Wide range of size options available for clear openings of between 200mm and 1200mm. Manual lift single recessed cover option available. All covers fitted with EPDM liquid, odour and dust seals as standard with four point stainless steel locking.



Features

Reinforcement provided for long term durability and performance

Elegant 4mm aluminium edges blend discreetly with floor finishes

Two lifting/locking keys and installation manual provided with each access cover

Frame only 50mm deep. Light weight tray design suitable for floor finishes of up to 15mm thickness

Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard

High performance triple EPDM seals for liquid, odour and dust-tight applications

Ideal Applications: Offices, residential, hospitals, schools, leisure facilities and swimming pools

Suitable flooring types: Concrete, epoxy, terrazzo, ceramic tiles, carpet and wood

Options: ACO UniFace™ AL SHALLOW manual lift single recessed access covers

FACTA Class	Gross Laden Vehicle Weight (GLW)
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AA



Up to 5 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL SHALLOW - Aluminium single recessed access covers							
415140	200 x 200	300 x 300	50	47	2.9	AA	5 - 10 days
415141	300 x 300	400 x 400	50	47	4.2	AA	3 - 5 days
415142	400 x 400	500 x 500	50	47	5.4	AA	3 - 5 days
415143	450 x 450	550 x 550	50	47	5.8	AA	3 - 5 days
415144	500 x 500	600 x 600	50	47	6.9	AA	3 - 5 days
415145	600 x 400	700 x 500	50	47	6.6	AA	5 - 10 days
445696	600 x 450	700 x 550	50	47	6.9	AA	3 - 5 days
415146	600 x 600	700 x 700	50	47	8.4	AA	3 - 5 days
415147	635 x 635	735 x 735	50	47	10.8	AA	5 - 10 days
415148	700 x 700	800 x 800	50	47	11.8	AA	3 - 5 days
445697	750 x 600	850 x 700	50	47	9.3	AA	3 - 5 days
445698	750 x 750	850 x 850	50	47	12.7	AA	5 - 10 days
415149	800 x 600	900 x 700	50	47	9.6	AA	5 - 10 days
415150	800 x 800	900 x 900	50	47	15.1	AA	5 - 10 days
415151	900 x 600	1000 x 700	50	47	10.7	AA	5 - 10 days
415152	900 x 900	1000 x 1000	50	47	17.9	AA	5 - 10 days
415153	1000 x 600	1100 x 700	50	47	11.4	AA	5 - 10 days
415154	1000 x 800	1100 x 900	50	47	18.0	AA	5 - 10 days
415155	1000 x 1000	1100 x 1100	50	47	21.0	AA	5 - 10 days
415156	1200 x 600	1300 x 700	50	47	12.8	AA	5 - 10 days

* Declared load tested to FACTA class AA filled with grade C35/45 concrete to allow a 15mm depth for flooring material.

Product	Description	Weight [kg]	Lead Time
ACO UniFace™ AL SHALLOW - Cover spares			
415571	Lifting/locking key set (2 x Keys)	0.2	3 - 5 days
416959	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days

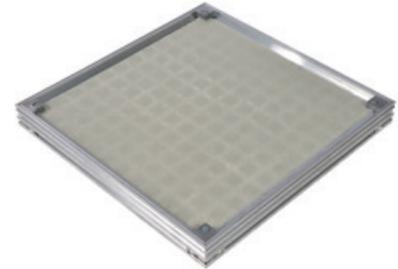
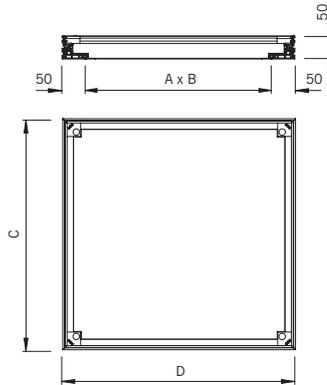


Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniFace™ AL SMART Recessed Access Cover Range

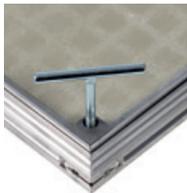
ACO Product Benefits

Fast installation, high quality aluminium and structural composite recessed floor access covers with a frame depth of only 50mm. Ideal for pedestrian and light duty vehicles traffic applications where installation depths are restricted. Structural composite reinforced design allows flooring material to be installed directly without the need for a concrete infill making covers lighter to remove and significantly faster to install. Range of size options available for clear openings of between 200mm and 600mm. Manual lift single recessed cover option available. All covers fitted with EPDM liquid, odour and dust seals as standard with four point stainless steel locking.



Features

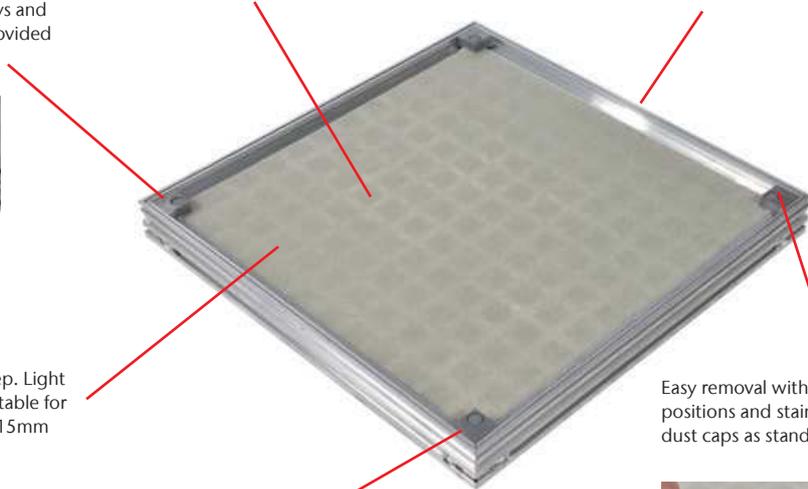
Two lifting/locking keys and installation manual provided with each



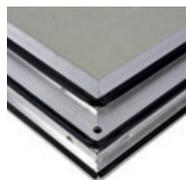
Structural composite reinforcement enables floor finish to be immediately installed, eliminating delays normally required for concrete to cure

Elegant 4mm aluminium edges blend discreetly with floor finishes

Frame only 50mm deep. Light weight tray design suitable for floor finishes of up to 15mm thickness



Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard



High performance triple EPDM seals for liquid, odour and dust-tight applications



Ideal Applications: Offices, residential, hospitals, schools, leisure facilities and swimming pools

Suitable flooring types: Concrete, epoxy, terrazzo, ceramic tiles, carpet and wood

Options: ACO UniFace™ AL SMART manual lift single recessed access covers

FACTA Class

Gross Laden Vehicle Weight (GLW)

AAA



Up to 10 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL SMART - Aluminium single recessed access covers							
415157	200 x 200	300 x 300	50	15	3.7	AAA	3 - 5 days
415158	300 x 300	400 x 400	50	15	5.7	AAA	3 - 5 days
415159	400 x 400	500 x 500	50	15	7.8	AAA	3 - 5 days
445699	450 x 450	550 x 550	50	15	8.8	AAA	3 - 5 days
415160	500 x 500	600 x 600	50	15	10.3	AAA	3 - 5 days
445700	600 x 450	700 x 550	50	15	10.8	AAA	3 - 5 days
415161	600 x 600	700 x 700	50	15	13.2	AAA	3 - 5 days

* Declared load tested to FACTA class AAA with structural composite infill to allow a 15mm depth for flooring material.

Product	Description	Weight [kg]	Lead Time
ACO UniFace™ AL SMART - Cover spares			
415571	Lifting/locking key set (2 x Keys)	0.2	3 - 5 days
416959	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days

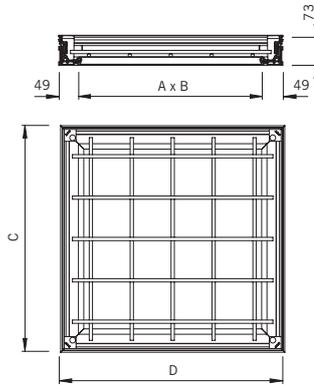


Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniFace™ AL Recessed Access Cover Range

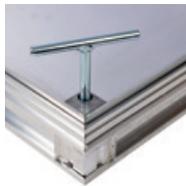
ACO Product Benefits

High quality aluminium recessed floor access covers with a frame depth of 73mm. Ideal for pedestrian and light duty vehicle traffic. Wide range of size options available for clear openings of between 200mm and 1200mm. Manual lift single and duct recessed access cover options available. All covers fitted with EPDM liquid, odour and dust seals as standard with four point stainless steel locking.



Features

Two lifting/locking keys and installation manual provided with each access cover



Reinforcement provided for long term durability and performance

Elegant 4mm aluminium edges blend discreetly with floor finishes

Frame only 73mm deep. Light weight tray design suitable for floor finishes of up to 15mm thickness

High performance triple EPDM seals for liquid, odour and dust-tight applications



Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard



Ideal Applications: Shopping centres, offices, hospitals, schools, leisure facilities and swimming pools

Suitable flooring types: Concrete, epoxy, terrazzo, ceramic tiles, carpet and wood

Options: ACO UniFace™ AL manual lift single recessed access covers or ACO UniFace™ AL DUCT manual lift multipart recessed access covers

FACTA Class	Gross Laden Vehicle Weight (GLW)
AA 	Up to 5 tonnes
AAA 	Up to 10 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL - Aluminium single recessed access covers							
416783	635 x 635	733 x 733	73	69	11.8	AA	5 - 10 days
416784	675 x 675	773 x 773	73	69	12.6	AA	5 - 10 days
416785	700 x 700	798 x 798	73	69	12.8	AA	5 - 10 days
416786	750 x 750	848 x 848	73	69	14.5	AA	5 - 10 days
416787	800 x 800	898 x 898	73	69	16.2	AA	5 - 10 days
416789	900 x 900	998 x 998	73	69	19.1	AA	5 - 10 days
416788	1000 x 800	1098 x 898	73	69	19.2	AA	5 - 10 days
416790	1000 x 1000	1098 x 1098	73	69	22.2	AA	3 - 5 days

* Declared load tested to FACTA class AA filled with grade C35/45 concrete to allow a 15mm depth for flooring material.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL - Aluminium single recessed access covers							
416770	200 x 200	298 x 298	73	69	3.7	AAA	5 - 10 days
416771	300 x 300	398 x 398	73	69	5.7	AAA	3 - 5 days
416772	400 x 400	498 x 498	73	69	7.3	AAA	5 - 10 days
416774	450 x 450	548 x 548	73	69	7.8	AAA	3 - 5 days
416776	500 x 500	598 x 598	73	69	9.2	AAA	5 - 10 days
416773	600 x 400	698 x 498	73	69	8.6	AAA	5 - 10 days
416775	600 x 450	698 x 548	73	69	9.3	AAA	3 - 5 days
416777	600 x 600	698 x 698	73	69	11.5	AAA	3 - 5 days
416778	750 x 600	848 x 698	73	69	12.4	AAA	3 - 5 days
416779	800 x 600	898 x 698	73	69	12.7	AAA	5 - 10 days
416780	900 x 600	998 x 698	73	69	14.6	AAA	3 - 5 days
416781	1000 x 600	1098 x 698	73	69	15.7	AAA	5 - 10 days
416782	1200 x 600	1298 x 698	73	69	18.0	AAA	5 - 10 days

* Declared load tested to FACTA AAA filled with grade C35/45 concrete to allow a 15mm depth for flooring material.

Product	Description	Weight [kg]	Lead Time
ACO UniFace™ AL - Cover spares			
406630	Lifting/locking key set (2 x Keys)	0.2	3 - 5 days
407191	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days



Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniFace™ AL DUCT

ACO Product Benefits

ACO UniFace™ AL DUCT recessed access covers are an ideal option for internal multi-cover ducting applications. Made to order, our ACO UniFace™ AL DUCT covers are supplied as standard with our triple sealing system for liquid/odour/dust-tight applications, four point stainless steel locking and easy to remove support beams for unimpeded access.

Features

Single row clear openings from 200mm to 1000mm and lengths to suit individual requirements



Easy-to-remove support beams for unimpeded access



FACTA Class	Gross Laden Vehicle Weight (GLW)
AA	Up to 5 tonnes



Size Range	FACTA	Lead Time
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ACO UniFace™ AL DUCT - Aluminium multi part recessed access covers

ACO UniFace™ AL Duct covers can be supplied for clear openings from 200mm up to 1000mm and in lengths to suit individual customer requirements. Please contact our sales enquiries team for further details.

Up to AA

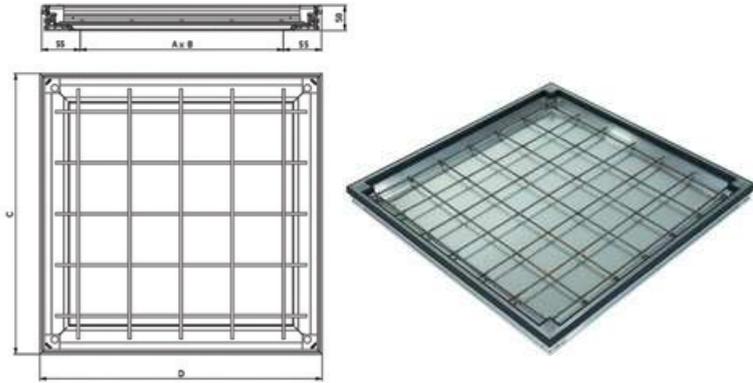
Call Sales

* Declared load tested to FACTA AA filled with grade C35/45 concrete to allow a 15mm depth for flooring material.

ACO UniFace™ AL SHALLOW VINYL

ACO Product Benefits

ACO UniFace™ AL SHALLOW VINYL range of aluminium recessed covers designed for 2-4mm thick flexible vinyl floor finishes where a durable welded sealed joint is required. Integral weldable PVC trim fitted to the cover and frame ensures vinyl floor installation is quick and simple. Its 50mm frame depth makes it ideal where installation depths are restricted. Suitable for pedestrian, trolley and light duty car/van traffic applications. Wide range of size options available for clear openings of between 200mm and 1200mm. All covers fitted with EPDM liquid, odour and dust seals as standard with four point stainless steel locking.



Features

Reinforcement provided for long term durability and performance

Integral 5mm wide weldable PVC cover and frame trim for sealed and durable floor joining

Two lifting/locking keys and installation manual provided with each access cover

50mm deep light weight aluminium frame and cover construction.

High performance triple EPDM seals for liquid, odour and dust-tight applications

Elegant 4mm aluminium edges blend discreetly with floor finishes

Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard

Ideal Applications: Hospitals, schools, offices, residential, leisure facilities and swimming pools
Suitable flooring types: Vinyl flooring and vinyl safety flooring
Options: ACO UniFace AL Shallow Vinyl manual lift single recessed access covers

FACTA Class	Gross Laden Vehicle Weight (GLWW)
AA	Up to 5 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL SHALLOW VINYL—Aluminium single recessed access covers							
107260	200 x 200	310 x 310	50	47	3.2	AA	5 - 10 days
107261	300 x 300	410 x 410	50	47	4.6	AA	3 - 5 days
107262	400 x 400	510 x 510	50	47	5.9	AA	5 - 10 days
107263	450 x 450	560 x 560	50	47	6.4	AA	3 - 5 days
107264	500 x 500	610 x 610	50	47	7.5	AA	3 - 5 days
107265	600 x 400	710 x 510	50	47	7.2	AA	5 - 10 days
107266	600 x 450	710 x 560	50	47	7.6	AA	3 - 5 days
107267	600 x 600	710 x 710	50	47	9.1	AA	3 - 5 days
107268	635 x 635	745 x 745	50	47	11.6	AA	5 - 10 days
107269	700 x 700	810 x 810	50	47	12.7	AA	5 - 10 days
107270	750 x 600	860 x 710	50	47	10.1	AA	5 - 10 days
107271	750 x 750	860 x 860	50	47	13.6	AA	5 - 10 days
107272	800 x 600	910 x 710	50	47	10.5	AA	5 - 10 days
107273	800 x 800	910 x 910	50	47	16.1	AA	5 - 10 days
107274	900 x 600	1010 x 710	50	47	11.5	AA	5 - 10 days
107275	900 x 900	1010 x 1010	50	47	19.0	AA	5 - 10 days
107276	1000 x 600	1110 x 710	50	47	12.4	AA	5 - 10 days
107277	1000 x 800	1110 x 910	50	47	19.1	AA	5 - 10 days
107278	1000 x 1000	1110 x 1110	50	47	22.1	AA	5 - 10 days
107279	1200 x 600	1310 x 710	50	47	13.8	AA	5 - 10 days

* Declared load tested to FACTA AA filled with grade C35/45 concrete to allow a 2-4mm depth for vinyl flooring material.

Product	Description	Weight [kg]	Lead Time
ACO UniFace™ AL SHALLOW VINYL - Cover spares			
415571	Lifting/locking key set (2 x Keys)	0.2	3 - 5 days
416959	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days

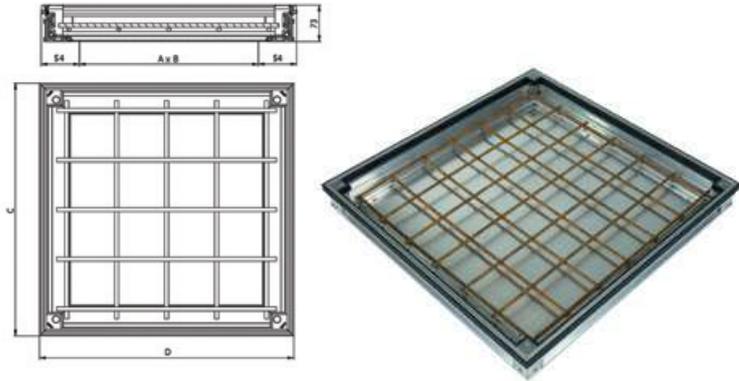


Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniFace™ AL VINYL

ACO Product Benefits

ACO UniFace™ AL VINYL range of aluminium recessed covers designed for 2-4mm thick flexible vinyl floor finishes where a durable welded sealed joint is required. Integral weldable PVC trim fitted to the cover and frame ensures vinyl floor installation is quick and simple. With a frame depth of 73mm its ideal for pedestrian, trolley and light duty vehicle traffic. Wide range of size options available for clear openings of between 200mm and 1200mm. All covers fitted with EPDM liquid, odour and dust seals as standard with four point stainless steel locking.



Features

Reinforcement provided for long term durability and performance

Integral 5mm wide weldable PVC cover and frame trim for sealed and durable floor joining

Two lifting/locking keys and installation manual provided with each access cover

73mm deep light weight aluminium frame and cover construction.

High performance triple EPDM seals for liquid, odour and dust-tight applications

Elegant 4mm aluminium edges blend discreetly with floor finishes

Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard

Ideal Applications: Hospitals, schools, offices, residential, leisure facilities and swimming pools

Suitable flooring types: Vinyl flooring and vinyl safety flooring

Options: ACO UniFace AL Vinyl manual lift single recessed access covers

Gutter Centre Tel: 0330 2231731 or email: sales@guttercentre.co.uk

FACTA Class	Gross Laden Vehicle Weight (GLW)
AA 	Up to 5 tonnes
AAA 	Up to 10 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL VINYL—Aluminium single recessed access covers							
107220	635 x 635	743 x 743	73	69	12.6	AA	5 -10 days
107221	675 x 675	783 x 783	73	69	13.4	AA	5 -10 days
107222	700 x 700	808 x 808	73	69	13.6	AA	5 -10 days
107223	750 x 750	858 x 858	73	69	15.4	AA	5 -10 days
107224	800 x 800	908 x 908	73	69	17.2	AA	5 -10 days
107225	900 x 900	1008 x 1008	73	69	20.2	AA	5 -10 days
107226	1000 x 800	1108 x 908	73	69	20.3	AA	5 -10 days
107227	1000 x 1000	1108 x 1108	73	69	20.4	AA	5 -10 days



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ AL VINYL—Aluminium single recessed access covers							
107228	200 x 200	308 x 308	73	69	4.0	AAA	5 -10 days
107229	300 x 300	408 x 408	73	69	6.1	AAA	3 - 5 days
107230	400 x 400	508 x 508	73	69	7.8	AAA	5 -10 days
107231	450 x 450	558 x 558	73	69	8.4	AAA	3 - 5 days
107232	500 x 500	608 x 608	73	69	9.8	AAA	5 -10 days
107233	600 x 400	708 x 508	73	69	9.2	AAA	5 -10 days
107234	600 x 450	708 x 558	73	69	10.0	AAA	5 -10 days
107235	600 x 600	708 x 708	73	69	12.2	AAA	3 - 5 days
107236	750 x 600	858 x 708	73	69	13.2	AAA	5 -10 days
107237	800 x 600	908 x 708	73	69	13.5	AAA	5 -10 days
107238	900 x 600	1008 x 708	73	69	15.5	AAA	5 -10 days
107239	1000 x 600	1108 x 708	73	69	16.7	AAA	5 -10 days
107240	1200 x 600	1308 x 708	73	69	19.1	AAA	5 -10 days

* Declared load tested to FACTA AAA filled with grade C35/45 concrete to allow a 15mm depth for flooring material.

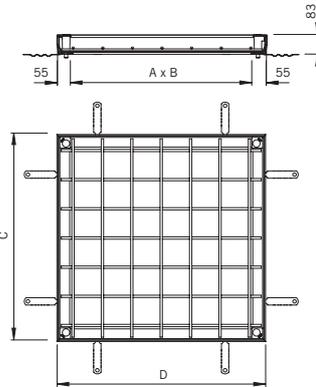
Product	Description	Weight [kg]	Lead Time
ACO UniFace™ AL VINYL - Cover spares			
406630	Lifting/locking key set (2 x Keys)	0.2	3 - 5 days
407191	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days

Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniFace™ GS and SS Recessed Access Cover Range

ACO Product Benefits

Galvanised and stainless steel grade 304 recessed floor covers with a frame depth of 83mm. Ideal for pedestrian, light vehicle and medium duty fork-lift truck areas. Clear openings of 300mm to 1200mm available in manual lift single, gas spring assisted and multipart options. EPDM liquid/odour seals and stainless steel locking as standard. Stainless steel grade 316 versions to special order.

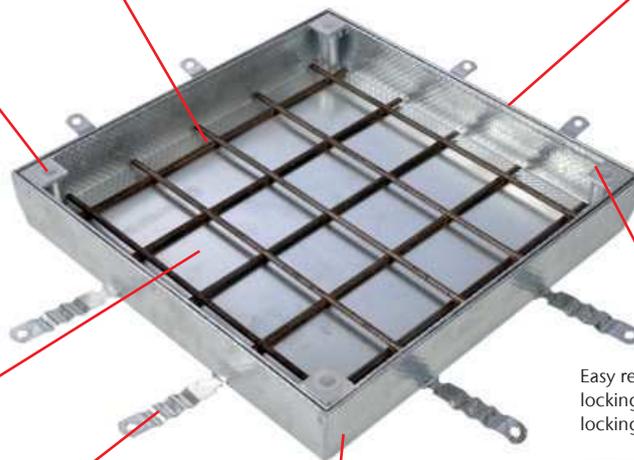


Features

Two lifting/locking keys and installation manual provided with each access cover

Reinforcement provided for long term durability and performance

Durable 4mm steel edges blend discreetly with floor finishes

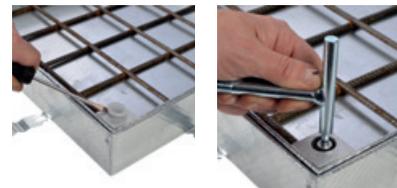


Frame only 73mm deep. Light weight tray design suitable for floor finishes of up to 15mm thickness

Easy removal with four corner locking/lifting positions and stainless steel locking bolts and dust caps as standard

Concrete ties securely anchor frame eliminating movement

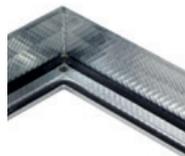
High performance triple EPDM seals for liquid, odour and dust-tight applications



ACO UniFace™ GS manufactured from hot dipped galvanised UltraSTEEL®



ACO UniFace™ SS manufactured from stainless steel grade 304



FACTA Class	Gross Laden Vehicle Weight (GLWW)
B 	Up to 25 tonnes
C 	Up to 38 tonnes
D 	Up to 44 tonnes

Ideal Applications: Shopping centres, transport hubs, hospitals, schools, kitchens, warehousing and landscaping

Suitable flooring types: Concrete, epoxy, terrazzo, ceramic tiles, carpet and wood

Options: ACO UniFace™ GS and SS manual lift single recessed access covers, ACO UniFace™ GS and SS ASSIST gas spring assisted single recessed access covers or ACO UniFace™ GS and SS MULTI manual lift multipart recessed access covers.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniFace™ GS - Galvanised steel single recessed access covers

415867	635 x 635	745 x 745	83	70	21.5	B	Call sales
415868	700 x 700	810 x 810	83	70	23.8	B	Call sales
415869	800 x 800	910 x 910	83	70	28.4	B	Call sales
415870	1000 x 800	1110 x 910	83	70	33.1	B	Call sales
415871	1000 x 1000	1110 x 1110	83	70	38.6	B	Call sales

ACO UniFace™ SS - Stainless steel grade 304 single recessed access covers

415896	635 x 635	745 x 745	83	70	21.5	B	Call sales
415897	700 x 700	810 x 810	83	70	23.8	B	Call sales
415898	800 x 800	910 x 910	83	70	28.4	B	Call sales
415899	1000 x 800	1110 x 910	83	70	33.1	B	Call sales
415900	1000 x 1000	1110 x 1110	83	70	38.6	B	Call sales

* Declared load tested to FACTA class B filled with C35/45 concrete to allow a 15mm depth for flooring material.
Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniFace™ GS - Galvanised steel single recessed access covers

415861	450 x 450	560 x 560	83	70	13.6	C	3 - 5 days
415862	500 x 500	610 x 610	83	70	14.8	C	Call sales
445668	600 x 450	710 x 560	83	70	15.4	C	3 - 5 days
415863	600 x 600	710 x 710	83	70	18.1	C	3 - 5 days
445672	750 x 600	860 x 710	83	70	22.8	C	3 - 5 days
415864	800 x 600	910 x 710	83	70	23.7	C	Call sales
445750	900 x 600	1010 x 710	83	70	25.4	C	Call sales
415865	1000 x 600	1110 x 710	83	70	27.6	C	Call sales
415866	1200 x 600	1310 x 710	83	70	31.5	C	Call sales

ACO UniFace™ SS - Stainless steel grade 304 single recessed access covers

415890	450 x 450	560 x 560	83	70	13.6	C	Call sales
415891	500 x 500	610 x 610	83	70	14.8	C	Call sales
445669	600 x 450	710 x 560	83	70	15.4	C	Call sales
415892	600 x 600	710 x 710	83	70	18.1	C	Call sales
445673	750 x 600	860 x 710	83	70	22.8	C	Call sales
415893	800 x 600	910 x 710	83	70	23.7	C	Call sales
445751	900 x 600	1010 x 710	83	70	25.4	C	Call sales
415894	1000 x 600	1110 x 710	83	70	27.6	C	Call sales
415895	1200 x 600	1310 x 710	83	70	31.5	C	Call sales

* Declared load tested to FACTA class C filled with C35/45 concrete to allow a 15mm depth for flooring material.
Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniFace™ GS - Galvanised steel single recessed access covers							
415858	300 x 300	410 x 410	83	70	9.3	D	3 - 5 days
415859	400 x 400	510 x 510	83	70	11.9	D	Call sales
415872	450 x 450	560 x 560	83	110	13.7	D	3 - 5 days
415873	500 x 500	610 x 610	83	110	15	D	Call sales
415860	600 x 400	710 x 510	83	70	14.7	D	Call sales
445670	600 x 450	710 x 560	83	110	15.7	D	3 - 5 days
415874	600 x 600	710 x 710	83	110	18.3	D	3 - 5 days
415877	635 x 635	745 x 745	83	110	21.3	D	Call sales
445674	750 x 600	860 x 710	83	110	23.5	D	3 - 5 days
415878	700 x 700	810 x 810	83	110	26.1	D	Call sales
445676	750 x 750	860 x 860	83	110	26.1	D	Call sales
415875	800 x 600	910 x 710	83	110	24.3	D	Call sales
415879	800 x 800	910 x 910	83	110	29.1	D	Call sales
445752	900 x 600	1010 x 710	83	110	26.1	D	3 - 5 days
445680	900 x 900	1010 x 1010	83	110	32.7	D	Call sales
415876	1000 x 600	1110 x 710	83	110	28.8	D	Call sales
415880	1000 x 800	1110 x 910	83	110	30.9	D	Call sales
415881	1000 x 1000	1110 x 1110	83	110	39.6	D	3 - 5 days

ACO UniFace™ SS - Stainless steel grade 304 single recessed access covers

415887	300 x 300	410 x 410	83	70	9.3	D	Call sales
415888	400 x 400	510 x 510	83	70	11.9	D	Call sales
415901	450 x 450	560 x 560	83	110	13.7	D	3 - 5 days
415902	500 x 500	610 x 610	83	110	15	D	Call sales
415889	600 x 400	710 x 510	83	70	14.7	D	Call sales
445671	600 x 450	710 x 560	83	110	15.7	D	3 - 5 days
415903	600 x 600	710 x 710	83	110	18.3	D	3 - 5 days
415906	635 x 635	745 x 745	83	110	21.3	D	Call sales
445675	750 x 600	860 x 710	83	110	23.5	D	Call sales
415907	700 x 700	810 x 810	83	110	26.1	D	Call sales
445677	750 x 750	860 x 860	83	110	26.1	D	3 - 5 days
415904	800 x 600	910 x 710	83	110	24.3	D	Call sales
415908	800 x 800	910 x 910	83	110	29.1	D	Call sales
445753	900 x 600	1010 x 710	83	110	26.1	D	Call sales
445681	900 x 900	1010 x 1010	83	110	32.7	D	Call sales
415905	1000 x 600	1110 x 710	83	110	28.8	D	Call sales
415909	1000 x 800	1110 x 910	83	110	30.9	D	Call sales
415910	1000 x 1000	1110 x 1110	83	110	39.6	D	Call sales

Product	Description	Weight [kg]	Lead Time
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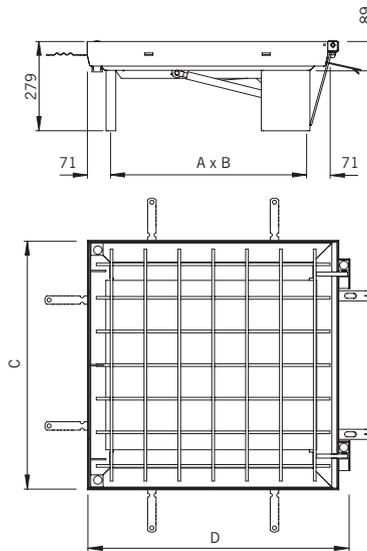
ACO UniFace™ GS and SS - Cover spares

416960	Lifting/locking key set (2 x Keys)	0.4	3 - 5 days
416961	Locking screw and dust cap set (4 x screws and dust caps)	0.1	3 - 5 days

ACO UniFace™ GS and SS ASSIST

ACO Product Benefits

Hot dipped galvanised and stainless steel grade 304 gas spring assisted single recessed floor access covers designed for one person minimal effort operation ideal for areas where frequent access is required. With a frame depth of 89mm, these hinged covers are ideal for pedestrian, light vehicle and medium duty fork-lift truck areas. Wide range of size options available for clear openings of between 400mm and 1000mm. Covers can also be supplied in stainless steel grade 316 to special order.



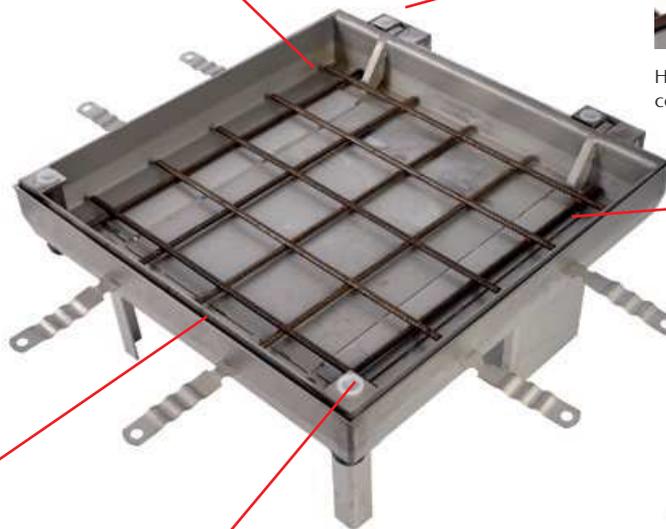
Features



Self locking safety stay



Hinge blocks unbolt allowing cover to be completely removed for unimpeded access



Gas spring assist for minimal effort easy one person operation

High performance single EPDM seals for liquid and odour-tight applications



Two corner locking/lifting positions and stainless steel locking bolts with dust caps as standard



Ideal Applications: Shopping centres, transport hubs, hospitals, schools, kitchens, warehousing and landscaping

Suitable flooring types: Concrete, epoxy, terrazzo, ceramic tiles, carpet and wood

Options: ACO UniFace™ GS and SS manual lift single recessed access covers or ACO UniFace™ GS and SS MULTI manual lift multipart recessed access covers.

FACTA Class	Gross Laden Vehicle Weight (GLW)
B 	Up to 25 tonnes
C 	Up to 38 tonnes
D 	Up to 44 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniFace™ GS ASSIST - Galvanised steel gas spring assisted single recessed access covers

406540	800 x 800	942 x 975	89	70	54.5	B	Call sales
414951	1000 x 800	1142 x 975	89	70	58.4	B	Call sales
406541	1000 x 1000	1142 x 1175	89	70	68.0	B	Call sales

ACO UniFace™ SS ASSIST - Stainless steel grade 304 gas spring assisted single recessed access covers

406532	800 x 800	942 x 975	89	70	54.5	B	Call sales
414950	1000 x 800	1142 x 975	89	70	58.4	B	Call sales
406533	1000 x 1000	1142 x 1175	89	70	68.0	B	Call sales

* Declared load tested to FACTA class B filled with C35/45 concrete to allow a 15mm depth for flooring material.
Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniFace™ GS ASSIST - Galvanised steel gas spring assisted single recessed access covers

445684	450 x 450	592 x 625	89	70	29.4	C	Call sales
406538	500 x 500	642 x 675	89	70	31.5	C	Call sales
445686	600 x 450	742 x 625	89	70	32.9	C	Call sales
406539	600 x 600	742 x 775	89	70	38.0	C	Call sales
445688	750 x 600	892 x 775	89	70	43.2	C	Call sales
445754	750 x 750	892 x 925	89	70	51.9	C	Call sales
408713	800 x 600	942 x 775	89	70	44.5	C	Call sales
445690	900 x 600	1042 x 775	89	70	47.1	C	Call sales
445694	1000 x 600	1142 x 775	89	70	49.7	C	Call sales

ACO UniFace™ SS ASSIST - Stainless steel grade 304 gas spring assisted single recessed access covers

445685	450 x 450	592 x 625	89	70	29.4	C	Call sales
406530	500 x 500	642 x 675	89	70	31.5	C	Call sales
445687	600 x 450	742 x 625	89	70	32.9	C	Call sales
406531	600 x 600	742 x 775	89	70	38.0	C	Call sales
445689	750 x 600	892 x 775	89	70	43.2	C	Call sales
445755	750 x 750	892 x 925	89	70	51.9	C	Call sales
408712	800 x 600	942 x 775	89	70	44.5	C	Call sales
445691	900 x 600	1042 x 775	89	70	47.1	C	Call sales
445695	1000 x 600	1142 x 775	89	70	49.7	C	Call sales

* Declared load tested to FACTA class C filled with C35/45 concrete to allow a 15mm depth for flooring material.
Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Internal Tray Depth [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniFace™ GS ASSIST - Galvanised steel gas spring assisted single recessed access covers

406537	400 x 400	542 x 575	89	70	26.5	D	Call sales
406542	500 x 500	642 x 675	89	110	31.5	D	Call sales
406543	600 x 600	742 x 775	89	110	38.0	D	Call sales
406544	800 x 800	942 x 975	89	110	54.0	D	Call sales
445692	900 x 900	1042 x 1075	89	110	59.3	D	Call sales

ACO UniFace™ SS ASSIST - Stainless steel grade 304 gas spring assisted single recessed access covers

406529	400 x 400	542 x 575	89	70	26.5	D	Call sales
406534	500 x 500	642 x 675	89	110	31.5	D	Call sales
406535	600 x 600	742 x 775	89	110	38.0	D	Call sales
406536	800 x 800	942 x 975	89	110	54.0	D	Call sales
445693	900 x 900	1042 x 1075	89	110	59.3	D	Call sales

* Declared load tested to FACTA class D filled with C35/45 concrete to allow a 15mm depth for flooring material.
Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.

Product	Description	Weight [kg]	Lead Time
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ACO UniFace™ GS and SS ASSIST - Cover spares

400528	Lifting/locking key set (2 x Keys)	0.5	3 - 5 days
417449	Locking screw and dust cap set (2 x screws and dust caps)	0.1	3 - 5 days



Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

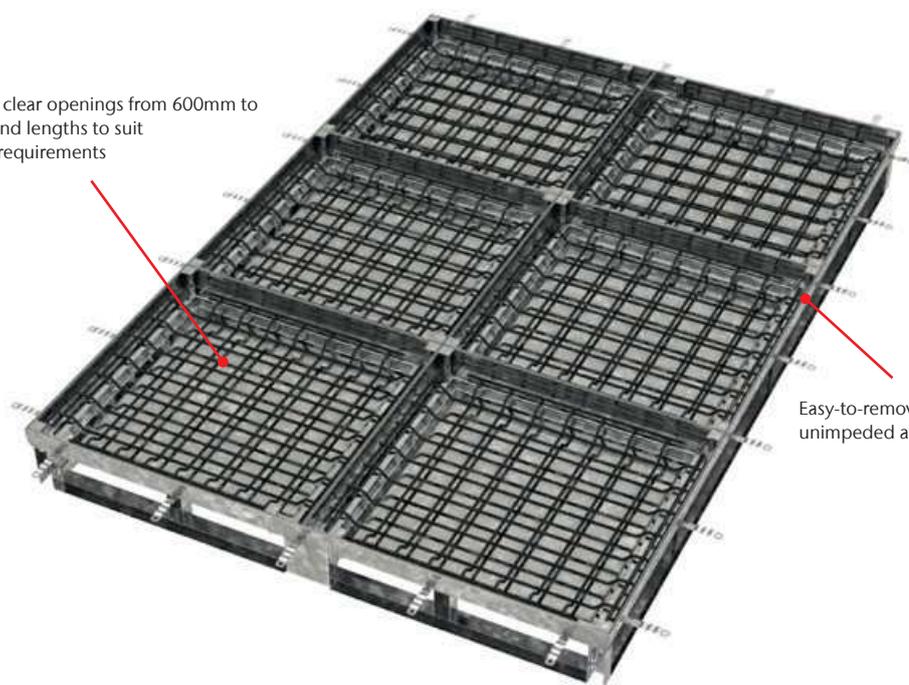
ACO UniFace™ GS and SS MULTI

ACO Product Benefits

ACO UniFace™ GS and SS Multi recessed covers are an ideal option for internal multi-cover applications. Made to order, our ACO UniFace™ GS and SS Multi covers are supplied as standard with our double sealing system for liquid/odour tight applications, four point stainless steel locking and easy-to-remove support beams for unimpeded access. FACTA class B, C and D options available.

Features

Single row clear openings from 600mm to 2000mm and lengths to suit individual requirements



Easy-to-remove support beams for unimpeded access



FACTA Class	Gross Laden Vehicle Weight (GLVW)
D	Up to 44 tonnes



Size Range	FACTA	Lead Time
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ACO UniFace™ GS and SS MULTI - Galvanised and stainless steel multi part recessed access covers

ACO UniFace™ GS and SS MULTI covers can be supplied for clear openings from 600mm up to 2000mm in lengths to suit individual customer requirements. Please contact our sales enquiries team for further details.

Up to D

Call Sales

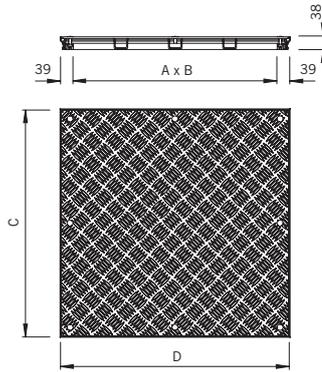
* Declared load tested to FACTA D filled with grade C35/45 concrete to allow a 15mm depth for flooring material.

Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only. Stainless steel grade 316 versions available to special order. Call sales for price and lead times.

ACO UniTop™ AL SOLID

ACO Product Benefits

High quality aluminium single solid floor access covers with a frame depth of 38mm. Ideal for pedestrian, trolley and light duty car/van traffic applications. Wide range of size options available for clear openings of between 200mm and 1000mm. Manual lift single recessed cover option available. All covers fitted with a single EPDM liquid and odour seal as standard with four or eight point stainless steel locking.



Features

Two lifting/locking keys and installation manual provided with each access cover



Raised slip resistant surface for improved safety



Shallow frame only 38mm deep



High performance single EPDM seals for liquid and odour-tight applications

Easy removal with four or eight point locking/lifting positions. Stainless steel countersunk locking bolts and dust caps as standard



Ideal Applications: Leisure facilities, landscaping, swimming pools, hospitals, schools, plant rooms and kitchens

Suitable flooring types: Concrete, screed, epoxy screed and epoxy

Options: ACO UniTop™ AL SOLID manual lift single solid access covers

FACTA Class

Gross Laden Vehicle Weight (GLW)

AA



Up to 5 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniTop™ AL SOLID - Aluminium single solid access covers						
408981	200 x 200	278 x 278	38	3.1	AA	Call sales
408982	300 x 300	378 x 378	38	4.5	AA	3 - 5 days
408983	400 x 400	478 x 478	38	6.2	AA	Call sales
408984	450 x 450	528 x 528	38	7.1	AA	3 - 5 days
408985	500 x 500	578 x 578	38	8.4	AA	Call sales
408986	600 x 400	678 x 478	38	8.2	AA	Call sales
445746	600 x 450	678 x 528	38	8.6	AA	3 - 5 days
408987	600 x 600	678 x 678	38	11.1	AA	3 - 5 days
408988	700 x 700	778 x 778	38	13.6	AA	Call sales
445747	750 x 600	828 x 678	38	13.2	AA	Call sales
445748	750 x 750	828 x 828	38	15.9	AA	Call sales
408989	800 x 600	878 x 678	38	13.7	AA	Call sales
408990	800 x 800	878 x 878	38	17	AA	Call sales
445749	900 x 600	978 x 678	38	14.7	AA	Call sales
408991	900 x 900	978 x 978	38	20.2	AA	Call sales
408992	1000 x 600	1078 x 678	38	15.9	AA	Call sales
408993	1000 x 800	1078 x 878	38	19.8	AA	Call sales
408994	1000 x 1000	1078 x 1078	38	24.7	AA	Call sales

* Declared load tested to FACTA class AA.

Product	Description	Weight [kg]	Lead Time
ACO UniTop™ AL SOLID - Cover spares			
416956	Lifting/locking key set (2 x Keys)	0.3	3 - 5 days
416962	Locking screw and dust cap set (4 x screws and dust caps)	0.2	3 - 5 days

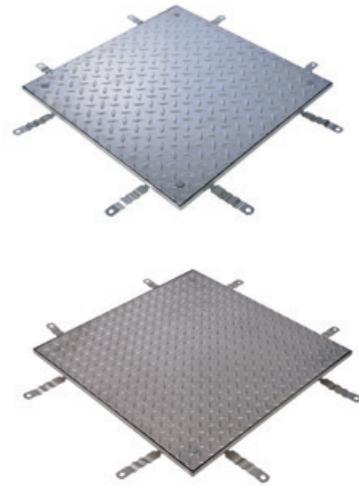
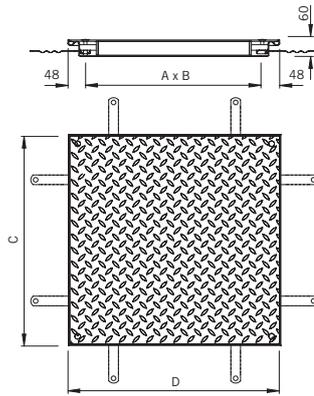


Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.

ACO UniTop™ GS and SS SOLID

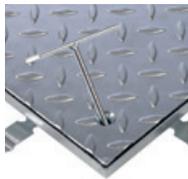
ACO Product Benefits

Hot dipped galvanised steel and stainless steel grade 304 single solid floor access covers with a frame depth of 60mm. Ideal for pedestrian, light vehicles and pallet truck areas. Wide range of size options available for clear openings of between 300mm and 1000mm. Manual lift single, gas spring assisted and duct multi-part recessed access cover options available. All covers fitted with a single EPDM liquid and odour seal as standard with four, five or eight point stainless steel locking. Covers can also be supplied in stainless steel grade 316 to special order.



Features

Two lifting/locking keys and installation manual provided with each access cover



Raised slip resistant surface for improved safety



Frame only 60mm deep

Concrete ties securely anchor frame eliminating movement

High performance single EPDM seals for liquid and odour-tight applications

Easy removal with four, five or eight point locking/lifting positions. Stainless steel countersunk locking bolts and dust caps as standard



ACO UniTop™ GS SOLID manufactured from hot dipped galvanised steel



ACO UniTop™ SS SOLID manufactured from stainless steel grade 304



Ideal Applications: Leisure facilities, landscaping, hospitals, schools, warehousing, factory areas, plant rooms and kitchens

Suitable flooring types: Concrete, screed and epoxy

Options: ACO UniTop™ GS and SS SOLID manual lift single solid access covers, ACO UniTop™ GS and SS ASSIST gas spring assisted single solid access covers and ACO UniTop™ GS and SS SOLID DUCT

FACTA Class	Gross Laden Vehicle Weight (GLW)
AAA 	Up to 10 tonnes
B 	Up to 25 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniTop™ GS SOLID - Galvanised steel single solid access covers						
403868	300 x 300	396 x 396	60	11.2	AAA	Call sales
403869	450 x 450	546 x 546	60	18.7	AAA	Call sales
403870	500 x 500	596 x 596	60	20.8	AAA	Call sales
403871	600 x 400	696 x 496	60	20.6	AAA	Call sales
445701	600 x 450	696 x 546	60	21.6	AAA	Call sales
403912	600 x 600	696 x 696	60	26.9	AAA	Call sales
403872	635 x 635	731 x 731	60	32	AAA	Call sales
445705	750 x 600	846 x 696	60	34.8	AAA	Call sales
445709	750 x 750	846 x 846	60	41.5	AAA	Call sales
403873	800 x 600	896 x 696	60	36.1	AAA	Call sales
403913	800 x 800	896 x 896	60	44.3	AAA	Call sales
445713	900 x 600	996 x 696	60	38.7	AAA	Call sales
445717	900 x 900	996 x 996	60	56.2	AAA	Call sales
403874	1000 x 600	1096 x 696	60	42.8	AAA	Call sales
403875	1000 x 800	1096 x 896	60	52.8	AAA	Call sales
403914	1000 x 1000	1096 x 1096	60	62.4	AAA	Call sales
ACO UniTop™ SS SOLID - Stainless steel grade 304 single solid access covers						
403860	300 x 300	396 x 396	60	11.2	AAA	Call sales
403861	450 x 450	546 x 546	60	18.7	AAA	Call sales
403862	500 x 500	596 x 596	60	20.8	AAA	Call sales
403863	600 x 400	696 x 496	60	20.6	AAA	Call sales
445702	600 x 450	696 x 546	60	21.6	AAA	Call sales
403909	600 x 600	696 x 696	60	26.9	AAA	Call sales
403864	635 x 635	731 x 731	60	32	AAA	Call sales
445706	750 x 600	846 x 696	60	34.8	AAA	Call sales
445710	750 x 750	846 x 846	60	41.5	AAA	Call sales
403865	800 x 600	896 x 696	60	36.1	AAA	Call sales
403910	800 x 800	896 x 896	60	44.3	AAA	Call sales
445714	900 x 600	996 x 696	60	38.7	AAA	Call sales
445718	900 x 900	996 x 996	60	56.2	AAA	Call sales
403866	1000 x 600	1096 x 696	60	42.8	AAA	Call sales
403867	1000 x 800	1096 x 896	60	52.8	AAA	Call sales
403911	1000 x 1000	1096 x 1096	60	62.4	AAA	Call sales

* Declared load tested to FACTA class AA.

Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Weight [kg]	FACTA*	Lead Time
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ACO UniTop™ GS SOLID - Galvanised steel single solid access covers

403898	300 x 300	396 x 396	60	14.9	B	Call sales
403899	450 x 450	546 x 546	60	25.5	B	3 - 5 days
403900	500 x 500	596 x 596	60	28.5	B	Call sales
403901	600 x 400	696 x 496	60	28.2	B	Call sales
445703	600 x 450	696 x 546	60	29.6	B	3 - 5 days
403902	600 x 600	696 x 696	60	35.5	B	3 - 5 days
403903	635 x 635	731 x 731	60	45.6	B	Call sales
445707	750 x 600	846 x 696	60	48.4	B	Call sales
445711	750 x 750	846 x 846	60	60.5	B	Call sales
403904	800 x 600	896 x 696	60	50.2	B	Call sales
403905	800 x 800	896 x 896	60	64.5	B	Call sales
445715	900 x 600	996 x 696	60	53.8	B	Call sales
445719	900 x 900	996 x 996	60	76.1	B	Call sales
403906	1000 x 600	1096 x 696	60	27.9	B	Call sales
403907	1000 x 800	1096 x 896	60	73.7	B	Call sales
403908	1000 x 1000	1096 x 1096	60	84.6	B	Call sales

ACO UniTop™ SS SOLID - Stainless steel grade 304 single solid access covers

403887	300 x 300	396 x 396	60	14.9	B	Call sales
403888	450 x 450	546 x 546	60	25.5	B	3 - 5 days
403889	500 x 500	596 x 596	60	28.5	B	Call sales
403890	600 x 400	696 x 496	60	28.2	B	Call sales
445704	600 x 450	696 x 546	60	29.6	B	Call sales
403891	600 x 600	696 x 696	60	35.5	B	3 - 5 days
403892	635 x 635	731 x 731	60	45.6	B	Call sales
445708	750 x 600	846 x 696	60	48.4	B	Call sales
445712	750 x 750	846 x 846	60	60.5	B	Call sales
403893	800 x 600	896 x 696	60	50.2	B	Call sales
403894	800 x 800	896 x 896	60	64.5	B	Call sales
445716	900 x 600	996 x 696	60	53.8	B	Call sales
445720	900 x 900	996 x 996	60	76.1	B	Call sales
403895	1000 x 600	1096 x 696	60	27.9	B	Call sales
403896	1000 x 800	1096 x 896	60	73.7	B	Call sales
403897	1000 x 1000	1096 x 1096	60	84.6	B	Call sales

* Declared load tested to FACTA class B.

Stainless steel grade 316 versions available to special order. Call sales for price and lead times.

Product	Description	Weight [kg]	Lead Time
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ACO UniTop™ GS and SS SOLID - Cover spares

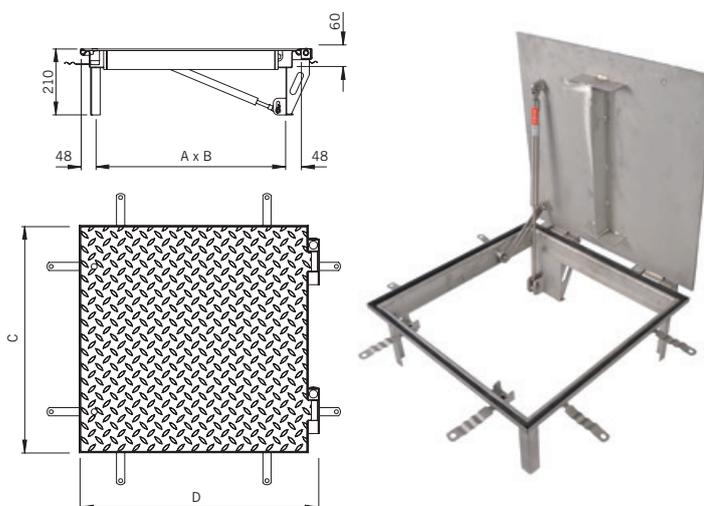
416956	Lifting/locking key set (2 x Keys)	0.3	3 - 5 days
416957	Locking screw and dust cap set (4 x screws and dust caps)	0.2	3 - 5 days

Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.
Weights shown are for UniTop™ GS ASSIST access covers only.

ACO UniTop™ GS and SS SOLID ASSIST

ACO Product Benefits

Hot dipped galvanised steel and stainless steel grade 304 gas spring assisted single solid floor access covers for one person minimal effort operation. Ideal for areas where frequent access is required. With a frame depth of 60mm these hinged covers are ideal for pedestrian, light vehicle and pallet truck areas. Wide range of size options available for clear openings of between 450mm and 1000mm. Covers can also be supplied in stainless steel grade 316 to special order.

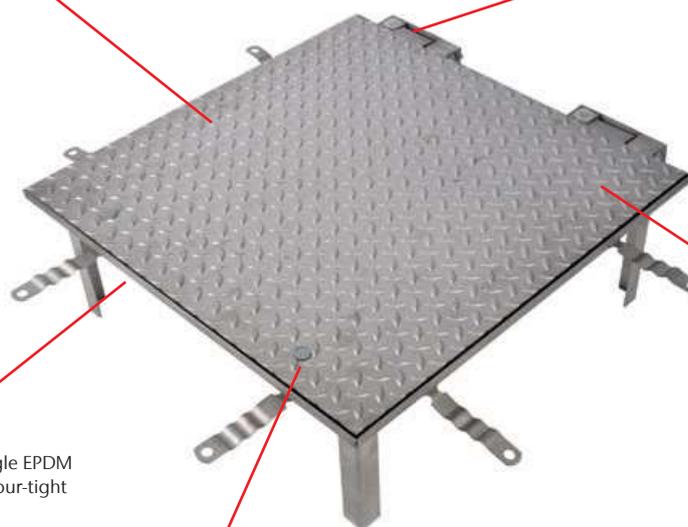


Features

Self locking safety stay



Hinge blocks unbolt allowing cover to be completely removed for unimpeded access



Gas spring assist for minimal effort easy one person operation



High performance single EPDM seals for liquid and odour-tight applications



Two or five locking/lifting positions and stainless steel locking bolts with dust caps as standard



Ideal Applications: Leisure facilities, landscaping, hospitals, schools, warehousing, factory areas, plant rooms and kitchens

Suitable flooring types: Concrete, screed and epoxy

Options: ACO UniTop™ GS and SS SOLID manual lift single solid access covers and ACO UniTop™ GS and SS SOLID DUCT

FACTA Class	Gross Laden Vehicle Weight (GLWW)
AAA	Up to 10 tonnes
B	Up to 25 tonnes



Product	Clear Opening (AxB) [mm]	Overall Frame Size (Cx D) [mm]	Overall Frame Height [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniTop™ GS SOLID ASSIST - Galvanised steel gas spring assisted single solid access covers						
445721	450 x 450	546 x 580	60	23.2	AAA	Call sales
415205	500 x 500	596 x 630	60	25.5	AAA	Call sales
445725	600 x 450	696 x 580	60	26.7	AAA	Call sales
415206	600 x 600	696 x 730	60	31.7	AAA	Call sales
415207	700 x 700	796 x 830	60	44.5	AAA	Call sales
445730	750 x 600	846 x 730	60	39.8	AAA	Call sales
445734	750 x 750	846 x 880	60	46.5	AAA	Call sales
415208	800 x 800	896 x 930	60	49.4	AAA	Call sales
445738	900 x 600	996 x 730	60	46.5	AAA	Call sales
415209	900 x 900	996 x 1030	60	56.1	AAA	Call sales
445742	1000 x 600	1096 x 730	60	49.4	AAA	Call sales
415210	1000 x 1000	1096 x 1130	60	59.5	AAA	Call sales
ACO UniTop™ SS SOLID ASSIST - Stainless steel grade 304 gas spring assisted single solid access covers						
445722	450 x 450	546 x 580	60	23.2	AAA	Call sales
415217	500 x 500	596 x 630	60	25.5	AAA	Call sales
445726	600 x 450	696 x 580	60	26.7	AAA	Call sales
415218	600 x 600	696 x 730	60	31.7	AAA	Call sales
415219	700 x 700	796 x 830	60	44.5	AAA	Call sales
445729	750 x 600	846 x 730	60	39.8	AAA	Call sales
445733	750 x 750	846 x 880	60	46.5	AAA	Call sales
415220	800 x 800	896 x 930	60	49.4	AAA	Call sales
445737	900 x 600	996 x 730	60	46.5	AAA	Call sales
415221	900 x 900	996 x 1030	60	56.1	AAA	Call sales
445741	1000 x 600	1096 x 730	60	49.4	AAA	Call sales
415222	1000 x 1000	1096 x 1130	60	59.5	AAA	Call sales

* Declared load tested to FACTA class AAA.

Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only.
Weights shown are for UniTop™ GS ASSIST access covers only.
Stainless steel grade 316 versions available to special order. Call sales for price and lead times.



Product	Clear Opening (AxB) [mm]	Overall Frame Size (CxD) [mm]	Overall Frame Height [mm]	Weight [kg]	FACTA*	Lead Time
ACO UniTop™ GS SOLID ASSIST - Galvanised steel gas spring assisted single solid access covers						
445723	450 x 450	546 x 580	60	29.8	B	Call sales
415211	500 x 500	596 x 630	60	32.8	B	Call sales
445727	600 x 450	696 x 580	60	34.3	B	Call sales
415212	600 x 600	696 x 730	60	39.6	B	Call sales
415213	700 x 700	796 x 830	60	53.4	B	Call sales
445732	750 x 600	846 x 730	60	53.1	B	Call sales
445736	750 x 750	846 x 880	60	64.4	B	Call sales
415214	800 x 800	896 x 930	60	68.5	B	Call sales
445740	900 x 600	996 x 730	60	64.4	B	Call sales
415215	900 x 900	996 x 1030	60	76.6	B	Call sales
445744	1000 x 600	1096 x 730	60	68.5	B	Call sales
415216	1000 x 1000	1096 x 1130	60	90.6	B	Call sales

ACO UniTop™ SS SOLID ASSIST - Stainless steel grade 304 gas spring assisted single solid access covers

445724	450 x 450	546 x 580	60	29.8	B	Call sales
415223	500 x 500	596 x 630	60	32.8	B	Call sales
445728	600 x 450	696 x 580	60	34.3	B	Call sales
415224	600 x 600	696 x 730	60	39.6	B	Call sales
415225	700 x 700	796 x 830	60	53.4	B	Call sales
445731	750 x 600	846 x 730	60	53.1	B	Call sales
445735	750 x 750	846 x 880	60	64.4	B	Call sales
415226	800 x 800	896 x 930	60	68.5	B	Call sales
445739	900 x 600	996 x 730	60	64.4	B	Call sales
415227	900 x 900	996 x 1030	60	76.6	B	Call sales
445743	1000 x 600	1096 x 730	60	68.5	B	Call sales
415228	1000 x 1000	1096 x 1130	60	90.6	B	Call sales

* Declared load tested to FACTA class B.

Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.

Product	Description	Weight [kg]	Lead Time
ACO UniTop™ GS and SS ASSIST - Cover spares			
400569	Lifting/locking key set (2 x Keys)	0.4	3 - 5 days
417450	Locking screw with seals and dust cap set (5 x screws with seals and dust caps)	0.2	3 - 5 days



Note: All dimensions and weights shown are subject to tolerances and are for guidance purposes only. Weights shown are for UniTop™ GS ASSIST access covers only.

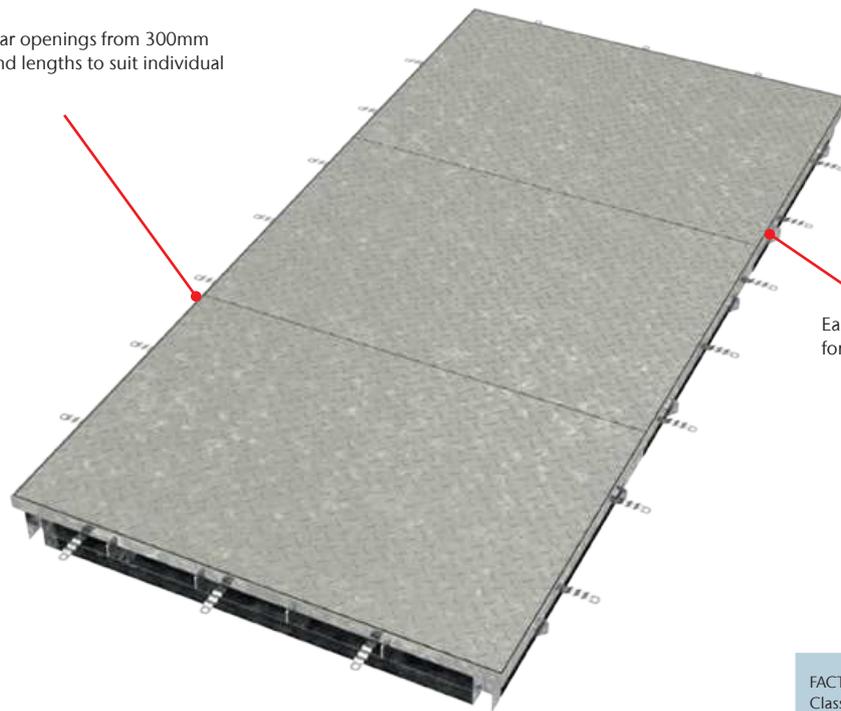
ACO UniTop™ GS and SS SOLID DUCT

ACO Product Benefits

ACO UniTop™ GS and SS Solid Duct access covers are an ideal option for internal or external multi-cover ducting applications. Made to order, our ACO UniTop™ GS and SS Solid Duct covers are supplied as standard with our single sealing system for liquid tight applications, four point stainless steel locking and easy to remove support beams for unimpeded access. FACTA class AAA and B options available.

Features

Single row clear openings from 300mm to 1000mm and lengths to suit individual requirements



Easy-to-remove support beams for unimpeded access



FACTA Class	Gross Laden Vehicle Weight (GLVW)
B	Up to 25 tonnes



Size Range	FACTA	Lead Time
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ACO UniFace™ GS and SS MULTI - Galvanised and stainless steel multi part recessed access covers

ACO UniTop™ GS and SS Solid Duct covers can be supplied for clear openings from 300mm up to 1000mm and in lengths to suit individual customer requirements. Please contact our sales enquiries team for further details.

Up to B

Call Sales

* Declared load tested to up to FACTA class B.

Note: Stainless steel grade 316 versions available to special order. Call sales for price and lead times.

Support Materials

ACO Access has a range of support material designed to help with the specification, design or installation of ACO's Access Covers product ranges.

The ACO Website

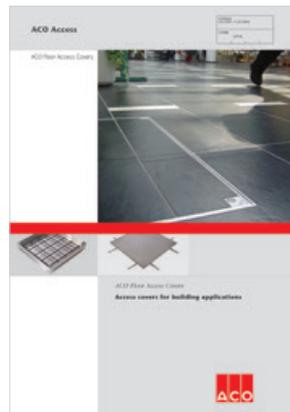
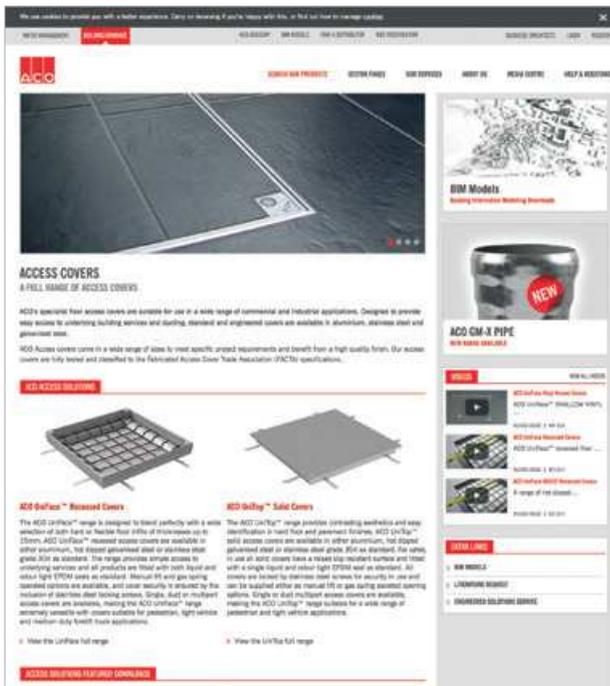
The website's navigation has been streamlined to make it more intuitive and user friendly. Features including the stockist locator, free access to product literature and product image galleries are available to provide users with the latest information about ACO.

To learn more please visit our website www.aco.co.uk/accesscovers

ACO Access Literature

A full range of brochures are available to support ACO Access products. To request copies of any of our ACO literature please contact us on 01462 810400 or email acmarketing@aco.co.uk

All our brochures are also available to download from our website www.aco.co.uk/accesscovers



ACO Technologies plc Conditions of Sale

1. INTRODUCTION

These conditions shall form part of every contract of sale entered into by ACO Technologies plc ("the Company") to the exclusion of all other terms and conditions including any which the Customer may purport to impose. They may not be varied except in writing signed by an officer of the Company. No contract comes into force until the Company, having received the Customer's purchase order, issues a written acceptance to the Customer pursuant to these Conditions of Sale.

2. DEFINITIONS AND INTERPRETATION

- (a) **"Customer"** means the person, firm or company buying or agreeing to buy the Goods and/or Services from the Company.
- "Contract"** means the contract for supply of Goods and/or Services and comprises the Company's written acknowledgement of the Customer's order, those parts of any design or instruction given by the Customer which have been expressly accepted by the Company in writing (if applicable), the Scheduled Sales Order Agreement (if applicable), the Terms and Conditions of Scheduled Order Agreement (if applicable), the proposal document for bespoke stainless steel design work (if applicable) and these Conditions of Sale.
- "Goods"** means any goods agreed in the Contract to be supplied to the Customer by the Company (including any part or parts of them).
- "Input Material"** means any documents, plans or other materials or specifications and any data or other information provided by the Customer in whatever format relating to the Goods and/or Services.
- "Output Material"** means any documents, plans or other materials or specifications and any data or other information provided by the Company in whatever format relating to the Goods and/or Services.
- "Services"** means (if applicable) any delivery, design, manufacture, advice or installation services provided by the Company or its sub-contractors.
- (b) The headings in these Terms and Conditions are for convenience only and shall not affect their construction.
- (c) References to any statute or statutory provision shall, unless the context otherwise requires, be construed as a reference to that statute or statutory provision as from time to time amended, consolidated, modified, extended, re-enacted or replaced.

3. VALIDITY AND ACCEPTANCE

- (a) Unless previously withdrawn, the Company's quotation is open for acceptance for the period stated, or if no period is stated, 30 days. All orders (including those not based upon a quotation) must be in writing or by email and are subject to the Company's acceptance in writing. The Customer must ensure that the terms of its order and any applicable Input Material are complete and accurate.
- (b) Any representations or warranties made or given by the Company or anyone on the Company's behalf prior to the Company's acceptance of an order and not contained in the Company's written quotation are hereby expressly excluded.
- (c) All quotations are made subject to availability of the Goods or materials on receipt of the order.

4. SPECIFICATIONS

- (a) All descriptive and shipping specifications, estimates, drawings and particulars of weights and dimensions supplied by the Company are approximate only and the descriptions and illustrations contained in its catalogues, price lists and other marketing materials are intended merely to present a general idea of the goods described therein, unless otherwise stated.
- ACO reserves the right to change its marketing materials from time to time without notice to the Customer.
- (b) The Company may correct any typographical or other errors or omissions in any marketing materials, quotation, written acknowledgement of the Customer's order, or other document relating to the provision of the Goods and/or Services without any liability to the Customer.
- (c) Any advice or recommendation given by the Company or its employees or agents to the Customer or its employees or agents as to the storage, application or use of the Goods and/or Services which is not confirmed in writing by the Company is followed or acted upon entirely at the Customer's own risk, and accordingly the Company shall not be liable for any such advice or recommendation which is not so confirmed.

5. SERVICES

- (a) Where the Company has undertaken to provide any Services to the Customer, the Company shall provide the Services subject to these Conditions. Any changes or additions to the Services must be agreed in writing by the Company and the Customer may be charged extra.
- (b) The Customer shall at its own expense supply the Company with all necessary documents, plans or other materials, and all necessary data or other information relating to the Services, within sufficient time to enable the Company to provide the Services in accordance with the Contract. The Customer shall ensure the accuracy of all Input Material.
- (c) The Customer shall at its own expense retain duplicate copies of all Input Material and insure against its accidental loss or damage. The Company shall have no liability for any such loss or damage, however caused. All Output Material shall be at the sole risk of the Customer from the time of delivery to or to the order of the Customer.
- (d) The Services shall be provided using reasonable care and skill and as far as reasonably possible in accordance with the Output Material, subject to these Conditions.
- (e) The Company may at any time without notifying the Customer make any changes to the Services and Goods which are necessary to comply with any applicable safety or other statutory requirements, or which do not materially affect the nature or quality of the Services and Goods.
- (f) The property and any copyright or other intellectual property rights in:
- (i) any Input Material shall belong to the Customer;
- (ii) any Output Material shall, unless otherwise agreed in writing between the Customer and the Company, belong to the Company, subject only to the right of the Customer to use the Output Material for the purposes of utilising the Services and/or Goods.
- (g) The Customer warrants that any Input Material and its use by the Company for the purpose of providing the Services and/or Goods will not infringe the copyright or other rights of any third party, and the Customer shall indemnify the Company against any loss, damages, costs, expenses or other claims arising from any such infringement.
- (h) The Company warrants that any Output Material and its use by the Customer for the purposes of utilising the Services and/or Goods will not infringe the copyright or other rights of any third party, and the Company shall indemnify the Customer against any loss, damages, costs, expenses or other claims arising from any such infringement.
- (i) Where the Company supplies in connection with the provision of the Services, any Goods (including Output Material) supplied by a third party, the Company does not give any warranty, guarantee or other term as to their quality, fitness for purpose or otherwise, but shall, where possible, assign to the Customer the benefit of any warranty, guarantee or indemnity given by the person supplying the Goods to the Company.
- (j) The Company shall have no liability to the Customer for any loss, damage, costs, expenses or other claims for compensation arising from any Input Material or instructions supplied by the Customer which are incomplete, incorrect, inaccurate, illegible, out of sequence or in the wrong form, or arising from their late arrival or non arrival, or any other fault of the Customer.
- (k) The Customer shall provide the Company or its sub-contractors or agents full and proper access to the Customer's site for the Company or its sub-contractors or agents to perform the Services and shall not hinder said performance in any way.

6. SUBSTITUTION

In the event of a shortage of raw materials or component parts specified in the contract for use in the production of Goods the Company shall be entitled to substitute such other materials as it shall consider reasonably fit for such purpose.

7. PRICES

- (a) Except where agreed in writing to the contrary, all prices quoted by the Company exclude carriage from the warehouse which shall be charged in addition.
- (b) All prices are subject to revision at any time (including after the Company has acknowledged the Customer's order) in the event of any increase in cost caused by circumstances beyond the Company's control and the Company reserves the right to charge such revised prices for Goods and/or Services affected by the increase and remaining to be delivered.
- (c) The Customer shall be liable for extra charges required as a result of its instructions, lack of instructions, the inaccuracy of any Input Material or any other cause attributable to the Customer.

8. PAYMENT

- (a) Unless otherwise agreed in writing, prices quoted are net of tax, which shall be payable in addition and:
- (i) payment for Goods and/or Services within the United Kingdom shall be made on the last day of the month following the month in which the Company's invoice is dated. Time for payment shall be of the essence.
- (ii) payment for Goods and/or Services outside the United Kingdom shall be made by irrevocable letter of credit deposited with a London Bank approved by the Company upon presentation of shipping documents or if the Company is unable by reason of the Customer's instructions or lack of instructions to ship Goods when ready, upon notification to the Customer that the Goods are ready for shipment.
- (b) In the event of any delay in payment the Company shall be entitled to charge interest at 4% over Bank of England minimum lending rate from time to time, accruing on a daily basis until payment is made, whether before or after any judgment. During any such period of default and at any time when the Company shall have reasonable grounds for doubting that payment will be made on the due date the Company shall be entitled to withhold deliveries on all contracts with the Customer without prejudice to its right to payment for Goods and Services delivered and for work undertaken and expenses incurred in connection with undelivered Goods and/or Services which shall become immediately due and payable on demand.
- (c) The Buyer shall make all payments due under the Contract without any deduction whether by way of set-off, counter-claim, discount, abatement or otherwise.

Gutter Centre Tel: 0330 2231731 or email: sales@guttercentre.co.uk

9. TERMINATION AND CANCELLATION

- (a) Either party may (without limiting any other remedy) at any time terminate the Contract by giving written notice to the other if the other commits any material breach of these Conditions and (if capable of remedy) fails to remedy the breach within 30 days after being required by written notice to do so, or if the other goes into liquidation, or (in the case of an individual or firm) becomes bankrupt, makes a voluntary arrangement with his or its creditors or has a receiver or administrator appointed.
- (b) No order for Goods or Services which has been accepted by the Company may be cancelled by the Customer except with the agreement in writing of the Company and on terms that the Customer shall indemnify the Company in full against all loss (including loss of profit), costs (including the cost of all labour and materials used), damages, charges and expenses incurred by the Seller as a result of cancellation.

10. DELIVERY DATES

Delivery dates are estimated only and not guaranteed and are not of the essence. The Company will endeavour to meet the Customer's delivery requirements but shall not be liable for any loss or damage whether direct, indirect, consequential or otherwise (all of which terms include, without limitation, loss of profits, loss of business, depletion of goodwill and like loss) caused by the delay in delivery. Any liability of the Company for non-delivery of the Goods and/or Services shall be limited to replacing the Goods and/or Services within a reasonable time or issuing a credit note at the pro-rata Contract rate against any invoice raised for such Goods and/or Services.

11. TITLE

The Company shall retain title to Goods until payment is made in full in cleared funds in respect of all Contracts. This provision shall not prevent the Customer from selling the Goods for full consideration or embodying them in any construction or apparatus in the normal course of business but in such event (to the extent of its indebtedness to the Company in respect of Goods) it shall act as trustee for the Company of the proceeds of sale or contract price and shall at the Company's request assign the right to receive the same to the Company. The Company's failure to enforce such rights in any case shall not affect its rights in any other case. Without prejudice to the above, until payment is made in full the Customer shall store the Goods (at no cost to the Company) separately from all other goods of the Customer or any third party in such a way that they remain readily identifiable as the Company's property and the Customer grants the Company and its agents an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Customer's right to possession has terminated, to recover them.

12. RISK

Risk in the Goods shall pass to the Customer on delivery or immediately prior to off-loading from the delivery vehicle where the Customer undertakes the off-loading or immediately after loading a Customer's vehicle at our premises. If the Customer fails to take delivery or has not provided appropriate instructions, documents or authorisations, risk will pass when delivery is tendered.

13. DELIVERY

- (a) The Company may deliver the Goods and/or Services to the Customer's premises or may agree to deliver the Goods and/or Services direct to the site of any third party.
- (b) Upon the Company notifying the Customer that the Goods are ready for collection or tendering delivery of the Goods the Customer shall agree to accept delivery of the Goods forthwith. If the Company has agreed to deliver the Goods and the Customer shall fail to give proper delivery instructions or to accept delivery as aforesaid it shall be liable for all costs incurred by the Company as a result of such failure (including without limitation storage and insurance) which shall become immediately due and payable on demand but such liability shall not affect its obligation to purchase the Goods or the right of the Company to damages for breach of such obligation.
- (c) Where the Goods and/or Services are to be delivered in instalments, each delivery shall constitute a separate contract and failure by the Company to deliver any one or more of the instalments in accordance with these Conditions or any claim by the Customer in respect of any one or more instalments shall not entitle the Customer to treat the Contract as a whole as repudiated.

14. DAMAGE TO GOODS IN TRANSIT

- (a) The Company shall have no liability in respect of Goods lost or damaged in transit unless the Customer or its agent notes such loss or damage on the delivery receipt and gives notice thereof in writing to the Company and the carrier within three days of delivery or such shorter period as may be required by the carrier's conditions of carriage or in the case of a whole consignment failing to arrive gives notice thereof in writing to the Company within three days of receipt of the Company's invoice or despatch note.
- (b) The Company's liability in respect of Goods lost or damaged in transit shall be limited to repairing or replacing such Goods.

15. GUARANTEE

- (a) All Goods sold by the Company shall be of satisfactory quality but shall not be sold as fit for any particular purpose unless the Customer shall have informed the Company in writing that it is relying upon the Company's skill and judgment and the Company shall have accepted such stipulation in writing.
- (b) The Company will repair or replace any of the Goods or parts thereof in respect of which any defects arise solely from faulty materials or workmanship or (subject to Clause 6 (Substitution) above) from the Company's failure to supply Goods of the quality or specification ordered provided that such defects are notified to the Company in writing within three months of the date of delivery provided as follows:
 - (i) that in the case of defects which would have been apparent to the Customer on reasonable examination of the Goods on delivery the Customer shall notify the Company of the defects in writing within three days of the date of delivery.
 - (ii) that in the case of any other defects the Customer shall notify the Company of the defects in writing within three days of the date when the defects become apparent and (iii) in respect of 15. (b) (i) and (ii) above, that the defective Goods are promptly returned carriage paid.
- (c) Except insofar as any statute provides to the contrary the undertakings contained in the preceding paragraphs of this Clause are given in lieu of and to the exclusion of all conditions, warranties and representations whether express or implied by statute or otherwise as to the quality of the Goods or their fitness for any particular purpose or otherwise and the Company shall have no liability in respect of the Goods and/or Services save as provided in paragraph (b) of this Clause.

16. LIMITATION OF LIABILITY

- (a) Except as expressly provided in these Conditions, the Company shall not be liable to the Customer by reason of any representation, or any implied warranty, condition or other term, or any duty at common law, or under the express terms of the Contract, for any loss of profit or any indirect, special or consequential loss, damage, costs, expenses or other claims (whether caused by the negligence of the Company, its servants or agents or otherwise) which arise out of or in connection with the provision of the Goods and/or Services or their use by the Customer, and the entire liability of the Company under or in connection with the Contract shall not exceed the amount of the Company's charges for the provision of the Goods and/or Services, except as expressly provided in these Conditions of Sale.
- (b) Nothing in these Conditions of Sale will exclude or limit the Company's liability for death or personal injury caused by its negligence or for fraudulent misrepresentation.

17. INDEMNITY

Except insofar as any statute provides to the contrary, the Company shall not be responsible for any loss or damage suffered by any third party caused directly or indirectly by the Goods and/or Services whether as a result of their operation or use or otherwise and whether as a result of any defect therein or otherwise and the Customer shall indemnify the Company from any claim arising from any such loss or damage.

18. THIRD PARTIES

- (a) Where the Customer is selling on the Goods to others it agrees to pass to those others full and accurate information supplied by the Company concerning the Goods, including without limitation product information, specification, advice as to usage and details of all exclusions and limitations.
- (b) The parties do not intend that any term of the Contract will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it.

19. FORCE MAJEURE

The Company will not be liable for any loss or damage sustained by the Customer by reason of act of God, war, riot, fire, strike, lock-out, governmental control or regulation, abnormal weather conditions, accident, breakdown or any other circumstances beyond the Company's control.

20. GENERAL

- (a) The contract shall be governed by English law and the English courts shall have non-exclusive jurisdiction to determine any dispute between the parties in connection with this Contract.
- (b) The Contract constitutes the entire agreement between the parties, supersedes any previous agreement or understanding and may not be varied except as stated herein. All other terms and conditions, express or implied by statute or otherwise, are excluded to the fullest extent permitted by law.
- (c) Any notice required or permitted to be given by either party to the other under these Conditions shall be in writing addressed to the other party at its registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.
- (d) The Customer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company.
- (e) The Company may at any time assign, transfer, charge, mortgage, subcontract, declare a trust of or deal in any other manner with all or any of its obligations under the Contract to any third party or agent.
- (f) No failure or delay by either party in exercising any of its rights under the Contract shall be deemed to be a waiver of that right, and no waiver by either party of any breach of the Contract by the other shall be considered as a waiver of any subsequent breach of the same or any other provision.
- (g) If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part, the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected.