

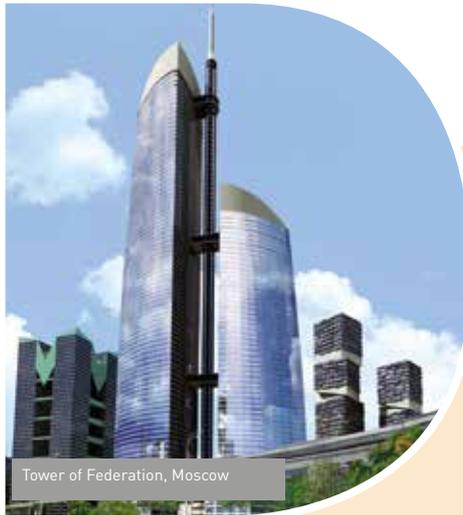
# HALIFAX SOIL

## INTRODUCTION



Halifax Soil is a comprehensive range of socketless pipes and fittings in 50mm to 300mm diameters suitable for internal soil, waste and rainwater installations.

The agrément certified system is particularly suitable to high rise projects. An extensive variety of couplings and brackets offer flexibility to satisfy most designs. Typical applications include public buildings, apartments, offices, hospitals, hotels and car parks.



## SECTION CONTENTS



### Halifax Soil

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- Pipes
- Couplings
- Fittings
- Brackets & Clamps
- Connectors & Tools

#### Availability

A selection of Halifax Drain products are ex-stock but most items are factory coated to order within an agreed time scale.

## Joining

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- Socketless pipes and fittings can be jointed using a choice of 3 coupling types; no specialist tools or equipment are required for installation.
- Pipes do not require expansion joints due to the low coefficient of expansion.
- Axial restraint up to 10 bar possible enables the system to be used in sensitive areas e.g. computer rooms etc.

## Features

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- Socketless pipes are available from 50mm to 300mm diameters in 3m lengths.
- Choice of both ductile iron and stabilised chrome steel couplings to satisfy most designs.
- A large selection of brackets to support and brace pipework in both vertical and horizontal situations.

## Strength / durability

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- Halifax Soil pipes are highly resistant to distortion caused by accident or vandalism.
- Fit and forget installation.

## Long life

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- Correctly installed and maintained Halifax soil systems can last in excess of 100 years.
- Long life expectancy makes cast iron the cost effective choice.
- 100% recyclable at the end of its life.

## Quiet in operation

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- Low noise levels due to the sound deadening properties of cast iron.
- Alternative materials that do not possess sound deadening properties require costly sound insulation.

## Fire safety

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- Cast iron is non-combustible which means the Halifax Soil installations do not require costly fire protection collars.
- In the event of fire cast iron will not emit dangerous toxic fumes; unlike PVC.

## Quality

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- All Halifax Soil products have been manufactured to comply with BS EN 877.
- British Board of Agrément (BBA) approval has been awarded for the Halifax system; the scope of which is as shown on Agrément Certificate No. 06/4401.
- Pipes and fittings are manufactured in grey cast iron which exceeds the requirements of BS EN 1563 Grade EN-JL 1020 ISO 185 Grade 15.
- Halifax Soil products will be supplied in accordance with CE markings requirements.



## Applicable standards and codes of practice

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- BS EN 877-1999 – European Standard for cast iron pipework. This covers above ground soil, waste, rainwater and buried drainage systems and performance requirements in the various applications.
- ISO 6594 – International Standard for socketless drainage systems in cast iron.
- BS EN 681 / ISO4633 – Specification for elastomeric seals for joints in pipework and pipelines.
- BS EN 12056 – Code of practice for gravity drainage systems inside buildings – sanitary pipework and drainage of roofs.
- BS EN 752-1 Code of practice for drain and sewer systems.

## Paint finish

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The Halifax system pipes are lined internally with a two part epoxy finish which provides improved performance when exposed to aggressive substances. Fittings are also epoxy coated and provide a similar level of performance.

Halifax Soil coatings have been tested successfully for resistance to attack by salt spray, waste water, hot water cycling and solution of acid at PH12 and alkalis at PH12 and conform to BS EN877 1999. Hargreaves' internal quality control procedures ensure the integrity of the coating is maintained through process monitoring and final inspection of coating thickness and adhesion.