

Traditional Sand / Cement Levelling Floor Screed

Our Traditional Sand / Cement Floor Screed is a pneumatically pumpable, high-quality, levelling floor screed material based on sand and cement. It's mixed using Portland Cement, sand, fibres and water and is factory produced on site by our state-of-the-art mobile screed factory. Our floor screed complies with the requirements of BS EN 13813:2002 and BS 8204: Part 1 and can be used for bonded, unbonded and floating floor screed constructions for both residential and commercial applications.

- Factory Produced On Site
- Fibre Reinforced
- Bonded Floor Screed Construction
- Unbonded Floor Screed Construction
- Floating Floor Screed Constructions
- Suitable For Underlayment In Wet Areas
- BS 8204-1 ISCR Categories A, B and C

Field Of Application

Our Traditional Sand / Cement Floor Screed is suitable for floors in homes, offices, public buildings and places exposed to similar loads. It may be applied as a levelling screed directly onto a load bearing floor, unbonded on a separating barrier (polythene) or a floating floor. Traditional Sand / Cement Floor Screed should be covered with a floor finish such as tiles, linoleum, parquet, cork or carpet.

Working Instructions

Light ventilation in the work area is necessary, however windows and openings must be closed sufficiently to avoid draughts, during and after application. Indoor and floor temperature should exceed +5°C during and after application and for one week after that.

Substrate

Our Traditional Sand / Cement Floor Screed is designed for use as a bonded thick levelling screed on concrete, as a floating screed over thermal or acoustic insulation, or as an unbonded screed on top of a plastic membrane.

Substrate Preparation

In case of a bonded floor screed construction, the substrate must be clean, dry, free of dust, grease and other impurities that might prevent adhesion. If it is a large area, the surface should be treated by mechanical preparation by grinding or shot blasting. The surface strength of the substrate has to be at least 0.5 N/mm². Dry and very porous substrates must be pre-dampened or primed. If the floor screed is to be applied unbonded or as a floating floor screed construction, an edge insulation

of minimum 8mm should be formed around the perimeter (walls, columns, etc).

Location Of Services

The laying of pipes or conduits within the thickness of a levelling screed should be avoided because cracking can occur over them and can lead to problems with subsequent applied floorings. If this is unavoidable, the pipes and conduits should be securely anchored in position and screed material well compacted around and over them to a minimum thickness of 25 mm above the pipes.

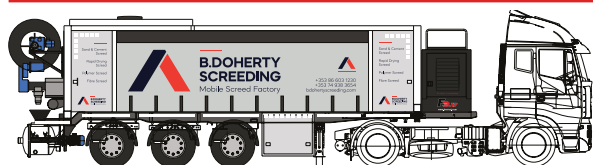
Under Floor Heating

Heated screeds are generally laid in conjunction with proprietary underfloor heating systems as floating screeds over thermal insulation. The heating pipes or cables should be secured in position. Their installation details should be provided by the manufacturer of the heating system. Levelling screeds should be laid at the thicknesses recommended in BS 8204-1, unless otherwise specified by the manufacturer of the proprietary system. In all cases, once levelling screeds are cured and dried they should be heated very slowly to their operating temperatures and maintained at the operating temperature for several days before cooling down to room temperature, but not below 15 °C, before installing the floor covering.

Curing and Aftercare

The screed should be prevented from drying for at least 7 days after laying by covering with a suitable impervious membrane, preferably waterproof sheeting. This curing period is required to enable the surface of the screed to hydrate and harden sufficiently prior to drying. Once the period for curing the surface has elapsed, the sheeting should be removed to enable the levelling screed to dry normally.

Our Traditional Sand / Cement Floor Screed is not designed as a wearing surface, therefore the surfaces should be given adequate protection against damage or wear during subsequent building operations and until the floor covering is laid.

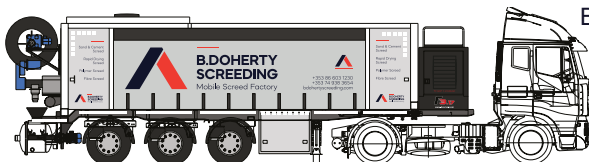


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Technical Information

Screed Specification EN 13813: 2002 BS 8204-1	
Minimum Thickness	Bonded: 40mm Unbonded: 50mm Floating Domestic: 65mm Floating Commercial: 75mm
Use (External Use)	Yes
Use (Internal Use)	Yes
Strength Classes Available	CT-C16-F4 CT-C20-F4 CT-C25-F5 CT-C30-F6 BS 8204-1 ISCR Category A, B, C.
Hardening Time (before foot traffic)	5 days (under ambient conditions)
Drying Time	The screed will dry at 1mm per day for the <40mm. 2 days per mm >40mm.
Reaction To Fire	A1 Non Combustible
Thermal Conductivity	1.0 W/mK (EN 12424)
Wet Density	Ca. 2,100 kg/m ³ (2.1 kg/mm/m ²)
Dry Density	Ca. 1,800 kg/m ³ (1.8 kg/mm/m ²)

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