

TECHNICAL DATA SHEET

MULTI SELF LEVELLING STANDARD

PAS-TDS-FLR-008

DESCRIPTION

Multi Self Levelling Floor Screed consists of a specially graded quartz aggregate incorporating light fast inorganic coloring pigments, combined with blended cements, water absorbing agents, superplasticisers and redispersable powders. The hard-wearing quartz aggregate has high abrasion resistant characteristics, is non-oxidising and chemically inert.

TYPICAL APPLICATIONS

Multi Self Levelling Floor Screed provides a hard-wearing non-dusting coloured floor surfaces for the following locations and facilities

- House Floor Applications – coloured floors
- Garages
- Warehouses
- Abattoirs
- Bakeries
- Car Parks
- Factory Floors

ADVANTAGES

- Multi Self Levelling Floor Screed produces an extremely hard-wearing surface with added resistance to abrasion, dusting and penetration of aggressive liquids
- Multi Self Levelling Floor Screed can be coloured to produce a permanently coloured overlay.
- Improves impact resistance.
- Easy to clean.
- Multi Self Levelling Floor Screed once properly applied will provide a smooth flat surface onto which vinyl or linoleum, large format tiles, parquet and carpets and laminate floors can be laid.
- Multi Self Levelling Floor Screed also provides a substrate of uniform absorbency on a variety of sub surfaces. A surface with defined absorbency

ADVANTAGES cont'd

- is particularly important for laying textile and elastic floorings using water-based dispersion adhesives. These very low emission adhesives will usually only set properly on an absorbent substrate.
- Self Levelling Flooring Screeds have extremely complex compositions and must meet a wide range of demands. The trend towards rapid construction means that the products must set and develop their strengths very rapidly, but at the same time, applicators require long pot lives of the product. Multi Self Levelling Flooring Screed meets these complex requirements.

TYPICAL PROPERTIES

Colour: Natural concrete colour as well as other alkali-fast inorganic colours.

Abrasion value: 2,0 times greater than plain concrete floor surfaces.

Storage Life: Up to 1 year when stored in accordance with manufacturer's instructions.

Coverage: 3m² @4mm

Flash Point: Not applicable

DIRECTIONS FOR USE

Base Concrete

The base concrete should have a minimum strength of 15 mpa in the case of house floors and 25-30 mpa for industrial floors.

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CONCRETE PREPARATION

New Floors

New concrete floors must be cleaned – all dust and laitance to be removed. Wash floor thoroughly with water and remove pooled/free water. The concrete floor needs to remain damp prior to the application of the Multi Self Levelling Floor Screed.

Old Floors

There are two recommended ways of preparing Multi Self Levelling Floor Screed for application onto old concrete surfaces.

1. ACID ETCHING

Remove all oil, grease, laitance and dust by washing the floor surface with a normal detergent. Ensure that all the emulsified oil and grease is washed off with copious volumes of water. The above procedure is followed by acid etching of the prepared surface. Leave the acid reagent on the floor for 15-20 mins before the final washing with water.

2. SCABBLING

The area to be repaired must be first scabbled and then cleaned to remove all oil, grease, laitance and dust. The cleaned surface is then pre-saturated for a period of 12-18 hours prior to the product being applied.

For Both Methods of Application

- Mixing
- Installation
- Joints

MIXING

Mixing of Multi Self Levelling Floor Screed should always be carried out by mechanical means. This type of mixing will ensure a smooth, lump free, pourable slurry of the product.

Add a maximum of 4.2 liters per 20 kg bag to produce a flowable self-levelling material.

INSTALLATION

Construct side forms having a minimum depth of 5 mm along the construction joints until the surface has completely hardened or gained full strength.

The newly laid surface must be cured with Multicure 200 Curing Compound.

JOINTS

Saw cut joints may be required and will depend upon the size of the panel.

TECHNICAL INFORMATION

Type:	Modified Cement based underlayment
Colour :	Grey
Setting Type:	Rapid Setting
Open Time (Working Time) *	10-20 minutes
Initial Set:	+/- 20 minutes
Trafficable (light)after*:	12 hours
Floor Covering Installation*:	After 24 hours, Depending on Thickness and ambient Conditions
Compressive Strength:	> 30 mpa
Flexural Strength:	> 4 mpa
Mixing water Temperature:	15°C - 25°C
Application Temperature:	+10°C - + 30°C

*At 25°C and 50 % relative humidity