

MULTI SELF-LEVELLING FLOOR SCREED (TS) A NATURAL AGGREGATE SCREED DESIGNED FOR FLOOR REPAIRS & OVERLAYS

DESCRIPTION

Multi Self Levelling Floor Screed consists of a specially graded quartz aggregate incorporating light fast inorganic colouring 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 Leveling 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 Leveling Floor Screed also provides a substrate of uniform absorbency on a variety of sub surfaces. A surface with defined absorbency 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:	Dependent on thickness
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.

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.

* **ACID ETCHING:** Remove all oil, grease, laitance and dust by washing the floor surface with a normal detergent. Ensure that all of 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.

* **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 at all times be carried out by mechanical means. This type of mixing will ensure a smooth, lump free, pourable slurry of the product. Add +/- 3.5 litres 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.

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Type	Modified cement based underlayment
Colour	Grey
Setting type	Rapid Setting
Pot life*	45 Minutes
Open time* (working time)	10 - 20 Minutes
Initial set*	Minimum 2 Hours
Trafficable (light) after*	3 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
Slab temperature	+10° C - +30° C
Temperature resistance	+5° C - +60° C
Mixing ratio	3.SL - 3.8L/20kg
Minimum thickness	Featheredge
Maximum thickness	15mm
Density	1.80
Pack size	20kg

* At 25° C and 50% relative humidity