

ISO SCREED 2015

Product Data Sheet

Description:

ISO SCREED 2015 is a high-quality cementitious ready mixed floor screed, with selected aggregates, fiber, and special additives. ISO SCREED 2015 is ready for use simply mixed with water on site to create a high performance screed, tiles can be added after the screed has fully acquired its compressive strength.

Uses:

ISO SCREED 2015 is suitable for all new and old concrete substrates, such as housing estate, residential floor screed, car park, industrial floor and hospitals .

Advantages:

- Ready to use , Easy Installation.
- Provide a levelled and fine surface.
- Quick drying and easy to apply.
- Thickness of the floor screed can be varied to minimise wastage.

Technical Properties:

Appearance :	Gray powder.
Grain size:	< 3 mm.
Flexural Strength ASTM C 580-02:	> 6 Mpa at 28 days.
Recommended application :	5 cm - 15 cm thickness.
Compressive strength at 2 days ASTM C 579:	≥ 20 N/mm ² .
Compressive strength at 7 days ASTM C 579:	≥ 25 N/mm ² .
Compressive strength at 28 days ASTM C 579:	≥ 30 N/mm ² .
Mixing ratio:	13%.
Ideal application temperature:	+5 °C and + 35 °C.

Coverage:

For one coat of 1 cm thickness . ~ 22 kg/m² powder material is required.



Application procedure:

1.Surface preparation:

The surface of the concrete must be sound and free of oil, grease, dust, and other unwanted residual material which will affect the bonding.

- Concrete substrate should be at least 3 months old and structurally stable.
- Concrete must be free of cracks, If there are any cracks in the concrete, it must be repaired first.
- Remove all weak, loose , smooth or broken pieces of concrete, until reaching a sound rough concrete This can be achieved by medium scarifying or grinding.

2- Priming:

A bonding coat with ISOBOND S.B.R is advisable before placing ISO SCREED 2015 to achieve an optimum excellent bond. ISO SCREED 2015 should be applied when the bonding agent is tacky.

3- Mixing:

ISO SCREED 2015 can be mixed with a concrete mixer or a mixing machine. Add the ISO SCREED 2015 powder to (13%) of clean water.

4- Placing and finishing:

pour the mixed material on the substrate and spread it with a steel trowel, for a thickness up to 5 cm. Consideration should be given to the control joints of the existing substrate For large area, joints should be created every 25 m².

Divide work areas into sections that can be controlled up to a maximum of 25m². Reduce the width of the work area when applying in warmer temperatures.

Pour the mixture onto the prepared surface, then spread it out with a large metal trowel to help leveling the surface.

- Always keep the wet edge of the material in pouring a new material on.
- Protect the material from wind and direct sunlight during and after installation.
- It is advisable to leave control joints every 25m². The rectangular shape is preferred, making sure that the length is not more than 15m.
- It is preferable to apply the product early morning or late afternoon. In hot and dry weather.
- Avoid work under heavy windy condition where the product may dry fast and cracks might appear.

5- Curing:

- ISO SCREED 2015 can be cured with water for 7 days (3 to 5 times per day).

Cleaning:

Clean all the tools with water immediately after use. Hardened materials can be removed mechanically only.

Packing:

Available in 25 kg bags.

Storage:

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf life:

Shelf life is up to 12 months when stored as per recommendations.

Health and Safety:

As with all construction chemical product, caution should be always exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance immediately.

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