

Quickmast 141

Two-component, solvent free flooring epoxy putty-filler



Description

Quickmast 141 is two-component non-shrinking solventfree epoxy putty designed to fill imperfection irregularities and fairing the surface of interior and exterior concrete floors prior to applying topcoats. It is compatible with common epoxy resin coatings.

Applications

- ▲ Filling and repairing holes, cracks, joints on floors before coating.
- ▲ As a skim coat/filler on prepared floors prior to application of finish coatings.
- ▲ As Concrete repair: Repairing damaged concrete, crack filling, leak proofing on horizontal surfaces.

Advantages

- ▲ High strength with a non-shrinking feature.
- ▲ Excellent wear, impact and chemical resistance properties.
- ▲ High adhesion strength to different substrates.
- ▲ Water impermeable.

Method of Use

Surface Preparation

The surface must be structurally sound, free from oil, grease and other forms of contamination. Mechanical grinding of the concrete floor is recommended for removing all surface contaminants.

Mixing

Quickmast 141 comprises two components, a resin base and a hardener, which are supplied preweighed in the correct proportions under no circumstances should part mixing be carried out.

The two components should be mixed well until a uniform consistency and colour are obtained, this should be ideally carried out using a mechanical mixer.

Mixing of 1 kg packs can be done by hand but care must be taken to ensure homogenous mixing. In cold weather, mixing will be aided if the containers.

Technical Properties:

Appearance:	Grey paste
Compressive strength: BS 6319, Part 2	> 35 MPa @ 1 day > 45 MPa @ 3 days > 60 MPa @ 7 days
Mixed density:	1.70 ± 0.05 g/cm ³
Application thickness:	0 - 5 mm
Application temperature:	5 to 35°C
Initial hardness:	20 hr @ 25°C
Full cure:	7 days

The effectiveness of decontamination should be evaluated using a pull-off test.

Application

Application can be carried out by a steel trowel or putty knife or scraper. Press firmly the mixed mortar into the area to be filled to ensure proper adhesion and full contact.

The epoxy putty can be applied at a maximum thickness of 5 mm in one layer. Additional layers should be applied after the applied mortar achieves its initial cure. The area repaired with Quickmast 141 can be over-coated with an epoxy or polyurethane coating after it achieves its initial cure.

Working Time

Quickmast 141 has a working time between 1.5 – 3.0 hours at 25°C.

Mixed material should not be left standing for any length of time prior to application, as this will considerably reduce its working time.



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Curing

Quickmast 141 should be allowed to cure for 24 hours at 20°C before being subjected to foot traffic. Quickmast 141 should never be applied in direct sunlight.

At the same temperature, full mechanical and chemical properties are achieved after 7 days (please consult our Technical Department for details of curing times at other temperatures).

Cleaning

Clean uncured material with Quickmast solvent. Cured material can only be removed mechanically.

Packaging

Quickmast 141 is available in 1 and 5 kg packs.

Yield

1 kg Pack (approximately 0.61 litre).

Storage

Protect from frost and store under dry warehouse conditions at temperatures between 5°C and 40°C.

Shelf Life

Quickmast 141 has a shelf life of 12 months from date of manufacture if stored in unopened, undamaged, sealed containers and stored under good conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

Consult the appropriate Material Safety Data Sheet prior to using Quickmast 141.

For further information refer to the Material Safety Data Sheet.

Fire

Quickmast 141 is nonflammable.

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Note:

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