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a.b.e.® Construction Chemicals

dura.®crack filler

DO-IT-YOURSELF

WATERPROOFING CRACK FILLER FOR BRICK, PLASTER, MORTAR SCREEDS AND CONCRETE



Internal and external applications



Plaster and bricks



Mortar screeds and concrete

DESCRIPTION

dura.®crack filler is a polymer modified cementitious based crack filler that provides superior adhesion, compression and tensile bond strengths including excellent waterproofing properties. The product mixes easily with water to provide a smooth paste consistency and can be applied in incremental layers of 5 mm.

USES

dura.®crack filler is ideal for all static crack filling applications for both internal and external applications in the following areas:

- Screeds
- Rendered facades
- Plastered walls
- Brick and blocks
- Mortar
- Concrete

ADVANTAGES

- Excellent waterproofing properties
- Does not crack when drilled
- High bond and strength properties
- Excellent profiling properties
- Chloride free
- Easily sanded down to a smooth profile
- Economical
- Can be over painted when dry
- Easy to apply only requires the addition of clean water

SURFACE PREPARATION

The surface is to be sound, thoroughly cleaned by means of a wire or stiff bristle brush ensuring that it is free of all loose and friable material, paint and foreign matter. The surface must also be free of any algae or efflorescence. Cracks need to be scraped clean ensuring that all dust and loose particles are removed.

MIXING

Add potable water to a clean mixing vessel and whilst stirring using a flat paddle slowly sift the powder into the water, continue

mixing until a smooth lump free consistency is obtained.

Mixing ratio:

5 kg **dura.®crack filler** to 1.25 litres of water

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APPLICATION

The surface including the cracks are to be thoroughly dampened, no free water to remain on the surface, prior to the application of **dura.®crack filler**. Apply the **dura.®crack filler** by steel float, trowel or spatula at 5 mm thick, thicker layers may be applied in sections of 5 mm per layer once the previous layer has dried.

Ensure all cracks, blow holes or imperfections are completely filled and are dry prior to sanding down.

Any mechanical works or drilling may be carried out after 5 hours from application to prevent raveling or chipping of the freshly applied product. In colder weather conditions this time may have to be extended as the curing time will be slower.

Do not re-temper the mix by adding additional water when the workability has been lost, rather discard the mixture and mix a fresh batch.

Use the appropriate primer before applying top coats of paint.

TYPICAL PROPERTIES

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Form	Free flowing powder
Colour	Off white
Water ingress	0.003 ml/min at 7 days
(Karsten water ingress test)	0.002 ml/min at 28 days
Compressive strengths (MPa)	7.0 (3 days)
	12 (7 days)
	15 (28 days)
Tensile bond strengths (MPa)	1.2 (7 days)
	1.4 (28 days)
Fresh wet density	1 955 g/cm ³

PROTECTION ON COMPLETION

The newly applied **dura.®crack filler** must be protected against direct sunlight or wind for at least 24 to obtain the required strength and durability.

TEMPERATURE AND RELATIVE HUMIDITY

Do not apply **dura.®crack filler** if the temperature is below 5°C.

PRECAUTIONS

dura.®crack filler must be kept out of reach of children, it may also be an irritant to eyes and skin.

MODEL SPECIFICATION

A chloride-free, powdered waterproofing additive for closing of cracks in brick, blocks, concrete, plaster or mortar.

The product will be **dura.®crack filler**, a chloride-free, cementitious crack filler applied in accordance with the recommendations of **a.b.e.® Construction Chemicals**.

PACKAGING

dura.®crack filler is currently supplied in 1 kg pouch.

Colours	Product Code	Bar Code
White	22901-001	60020650 13289

CLEANING

Use water for cleaning before setting, hardened material will have to be mechanically removed.

HANDLING AND STORAGE

dura.®crack filler has a shelf life of 12 months if kept in a dry, cool store in the original, unopened packs. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

HEALTH AND SAFETY

Avoid inhalation of dust and contact with skin and eyes.

Suitable protective clothing, gloves, eye protection and respiratory protective equipment should be worn. The use of barrier creams provides additional skin protection. If contact with skin occurs, wash with water and soap. Splashes into eyes should be washed immediately with plenty of clean water and medical advice sought. See MSDS for additional information.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied – accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in flooring and concrete technology.

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