

NEXSEAL CRACK AND JOINT
HIGE-STRENGTH FIBRE-REINFORCED WATERPROOF GROUT
Technical Data Sheet



DESCRIPTION

Nexseal Crack and Joint is a high-strength waterproof fibre-reinforced shrinkage compensating grout that is specifically formulated with our proven crystalline technology which combines chemically with water and concrete to form millions of needle-shape crystals. These crystals grow in all directions to fill any capillary pores of the grout to block the passage of water

FEATURES & KEY BENEFITS

- High early strength
- Superior bonding ability
- Very high compressive and flexural strength
- Withstands hydrostatic pressure
- Contains no corrosive chemicals or metals
- Safe for contact with potable water
- Can be painted after curing
- Fast and easy to use
- Permanently waterproof
- Increased durability decreases maintenance and repair costs
- Superior performance enhancing your reputation for high quality work
- Contains crystalline technology

TYPICAL APPLICATION

- Repair Leaking cracks, joints and holes
- Waterproof tie holes in concrete walls
- Repair spalled or honeycombed concrete
- Use as a waterproof plaster on masonry walls
- Can be used over stone and non-concrete substrates

COVERAGE

- 1 kg of Nexseal Crack and Joint fill about half liter of cavity
- 1 kg/lm use as part of the repair system
- 1.5 kg/m² per mm applied as a slurry

The coverage is theoretical and depends on other conditions.

PACKAGING

Nexseal Crack and Joint is supplied in 20 kg pails

STORAGE

Nexseal Crack and Joint should be stored at room temperature (min 5° C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 2 years can be expected.

APPLICATION GUIDELINES

Nexseal Crack and Joint is mixed (3.5 parts powder to 1 part clean water by volume), and applied to the prepared surface using a trowel. Do not mix more than can be applied within 10 minutes.

For deep patches or overlay applications thicker than 13 mm (0.5in.) mix **Nexseal Crack and Joint** with clean 10 mm (0.375 in.) per gravel (approximately 3.5 parts powder to 1.5 parts gravel to 1 part clean water by volume)

TECHNICAL DATA

Colour	Dark Grey
Appearance	Powder
Density	1.4 g/cm ³
pH (Mixed with water)	12
Compressive strength	51 MPa (Class R4: ≥45 MPa)
Adhesion strength by pull-off	4,51 MPa (Class R4: ≥2,0 MPa)
Initial set time at 25°C	10 minutes
Mix ratio	4:1 (By volume)
Cracks self-sealing	0.5 mm
Solids content	100%

HEALTH & SAFETY

This product becomes caustic when mixed with water perspiration.

Hazard statements

- H315 Causes skin irritation.
- H318 Causes serious eye damage
- H335 May cause respiratory irritation.

Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 - P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- For more information, please check the safely data sheet for this product.

DISCLAIMER

Whilst any information and/or specification contained herein Is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product, as no warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous. Please check with your office to confirm that this is current issue: (May of 2019)