

NEXSEAL BARRIER COAT

HIGH-STRENGTH WATERPROOF BARRIER COATING

Technical Data Sheet



DESCRIPTION

Nexseal Barrier Coat is a high-strength waterproof cementitious based coating that is specifically designed to create an impermeable barrier over substrates. It utilizes our unique crystalline technology to provide an effective long-term waterproofing solution with self-healing capabilities. Should future cracking occur the crystalline technology will autogenously heal the cracks in the presence of water allowing the barrier function of the application to possess an extended functioning life span. Nexseal Barrier Coat can be used as an applied mortar membrane over both concrete and non-concrete surfaces.

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
- Increased durability decreases maintenance and repair costs
- Superior performance enhancing your reputation for high quality work
- Contains crystalline technology

TYPICAL APPLICATION

- Use as a waterproof plaster on masonry walls
- Can be used over stone and non-concrete substrates

COVERAGE

- 1.5 kg/m² per mm applied as a slurry

The coverage is theoretical and depends on other conditions.

PACKAGING

Nexseal Barrier Coat is supplied in 20 kg pails

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)

APPLICATION GUIDELINES

Nexseal Barrier Coat is mixed to a suitable thick slurry consistency using 4 parts powder to 1-part clean water by volume.

Nexseal Barrier Coating should be mixed using a mechanical mixer for 1 minute and 20 seconds. The product will seem extremely dry for the first 30 seconds of mixing but after 1 minute it should plasticize into a thick slurry.

Let the material sit for 3 to 5 minutes and remix. The product will be ready for application. Apply the material in 2 coats at 1 mm thicknesses per coat.

Apply to the prepared surface using a trowel or brush. See Application instruction for surface preparation and Application instructions for detailed mixing

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)
Solids content	100%

STORAGE

Nexseal Block 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.

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.