



SURFASEAL BENTONITE POWDER

Product Information Page

SURFASEAL Bentonite Powder is a sodium-bentonite powder used for detailing and remedial waterproofing of below-ground structures.

How does SURFASEAL Bentonite Powder work:

When the SURFASEAL Bentonite Powder is mixed with clean water. It solidifies and expands to form a self healing membrane.

Mixing Dosages:

SURFASEAL Bentonite Powder should be mixed with 50ltr of clean water per 25kg unit of powder.

Place the required amount of water into a clean vessel and slowly add the powder and mix for between 3 and 5 minutes until an oatmeal consistency is achieved. For poured applications a slow-speed drill may be used.

SURFASEAL Bentonite Powder may also be used in its dry-form for detailing where pumping is not required.

Use the mixed material within 10-15 minutes of mixing.

How do install SURFASEAL Bentonite Powder:

Injection: Use suitable pumping equipment with a continuous shear and agitation mixer. Typically pumping pressures are between 1 and 5 bar, with thickness layers a minimum of 20mm.

Important: Only fully trained installers should undertake injection works.

Filling voids in small applications SURFASEAL Bentonite Powder may be installed by mixing with a slow-speed drill and pouring through a header-tube.

SURFASEAL Bentonite Powder may be installed in its dry-form in layers of between 20 an 50mm

Coverage:

Approximately 0.6m³per 25kg unit.

Cleaning:

Equipment should be washed immediately with clean water.

Packaging:

SURFASEAL Bentonite Powder is packed in 25kg units.

How do I store SURFASEAL Bentonite Powder :

SURFASEAL Bentonite Powder should be stored in its original manufacturer's Container in dry conditions above 5°C and protected from frost.

SURFASOLOGY

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TECHNICAL AVERAGE VALUES:		
Water Content	11 ± 3	%
Specific Density	2,65	g/cm ³
Bulk Density	800 ± 100	g/l
Screen residue on 0,063 mm	20 ± 5	%
Cation exchange capacity	80 ± 10	mval/100g
Montmorillonite content	78	%
500 Water absorption (Enslin-Neff)	500	%
Swelling Index	28	ml/2g

Protect the environment: Dispose of waste in accordance with the local authority regulations.

Disclaimer: The general information provided in the present technical description, application guidelines and other recommendations, is based on research and experience. However, the client is obliged to determine themselves what products are suitable for use. Accordingly, no liability will be accepted by IBC Limited t/a SURFASOLOGY™.

For further information contact the SURFASOLOGY™ Technical Department.

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Smart Surface Solutions

Waterproofing and Damp Proofing Specialists



WHO WE ARE

SURFASOLOGY, formerly IBC Ltd., is Ireland's leading waterproofing and damp proofing specialist that has been proudly providing market leading, innovative, and sustainable construction solutions since 1976.

Our high-quality products and systems are accompanied by our professional technical support and a full installation service. **SURFASOLOGY** technical consultancy team have unrivalled experience in major construction projects, as well as solving everyday problems for homeowners, with long term trustworthy solutions.

Our products are all manufactured in ISO Quality System compliant facilities and meet the relevant local, National, & European standards. **SURFASOLOGY** network members manufacture products exclusively in Germany, Switzerland, Spain, Greece and the UK. We support these products in local markets with highly-qualified technical professionals, who understand both on-site demands and the design detail. We work in a collaborative way with our clients at all stages of the project to ensure that the correct design, preparation, and application are carried out to ensure a timely and successful outcome for all stakeholders.

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SUSTAINABLE CONSTRUCTION
SOLUTIONS, POWERED BY OUR
EXTENSIVE EXPERIENCE AND
EXPERTISE.**

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Our world class solutions encompass the whole building envelope both above and below ground.

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High quality floor finish on domestic, commercial, under-floor heating or industrial projects.

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We offer a highly efficient selection of products for the repair and protection of concrete elements.

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Reliable and sustainable surface solutions accompanied by unrivalled technical support.

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Specialised installation service provided by our approved contractors delivering high quality workmanship you can trust.

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RIAI and RIBA approved CPD Seminars to specifiers on a variety of topics covering structural waterproofing and damp proofing.

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