



Smart Surface Solutions

Waterproofing and Damp Proofing Specialists

EasySeal / SilverSeal

Product Information Page

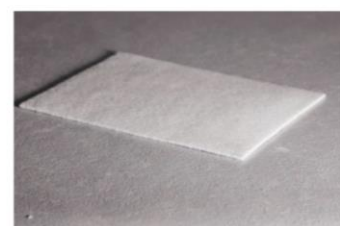
EasySeal is a “light-weight” waterproofing system for the use in any water-sealing applications. EasySeal is a needle punched non-woven impregnated with water absorbing and water swelling polymer.

EasySeal is available with a UV protection layer – SilverSeal.

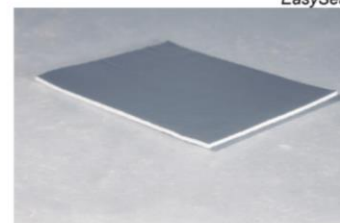
Specification Tip for Design Professionals:

EasySeal may be specified by name or by using the following description: *a needle punched non-woven fleece impregnated with water absorbing and water swelling polymer which is self-healing.*

- ✓ Tough and resistant, quick and easy to install
- ✓ High compound shear strength
- ✓ Can be installed in every season, independently of temperature and weather condition
- ✓ No need for complicated welding equipment or specially trained personnel
- ✓ Quality controlled product
- ✓ Self-healing properties by the pressure of the swelling polymers
- ✓ Seals small cracks in the concrete by the pressure of the swelling SAP
- ✓ Can be used in salt water conditions
- ✓ Tests have been made at the University of Braunschweig, Germany
- ✓ Enormous water absorbing capacity and therefore enormous swelling and sealing capacity



EasySeal



SilverSeal

How does EasySeal work:

Penetrating water causes the polymers to swell and thus renders the EasySeal membrane impermeable. The building structure is permanently protected against penetrating water, even small cracks and voids in the concrete are sealed.

How do I prepare the surface before applying EasySeal:

All surfaces onto which the EasySeal membrane is to be applied should be sound, solid and flat. All corners, up-stands, pipe / service penetrations, etc. must be detailed correctly (please consult our Technical Department for further advice) prior to the application of the membrane.

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How do I apply EasySeal:

The EasySeal membrane should be fixed onto the prepared substrate with the Fleece facing the concrete to be waterproofed. All overlaps should be a minimum of 50mm and all roll ends should be staggered by at least 300mm. Overlaps can be detailed with CEM 805 Polymer Adhesive.



How do I store EasySeal:

EasySeal should be stored in dry conditions and protected from frost.

TECHNICAL DATA:	
Name of Product	EasySeal swelling nonwoven
Type	Needle punched nonwoven, impregnated
Raw Material	Polypropylene fibres
Swelling Material	Water absorbing, swelling polymer
Mass per Unit Area (g/m ²) dry / wet after swelling / re-dried	EN 965 450 / 8200 / 400
Thickness at surcharge 2 kN/m ² (mm) dry / wet after swelling / re-dried	EN 964 1,9 / 7,5 / 4,5
Surcharge 20 kN/m ² / 200 kN/m ² ; (mm) dry	2,2 / 1,3
Maximum tensile force (kN/m) dry / wet after swelling / re-dried	EN 1031 11,6 / 3,4 / 10,3

* Technical Data Cont'd overleaf

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TECHNICAL DATA Cont'd:	
Associated elongation %dry / wet after swelling / re-dried	EN 10319 69 / 117 / 92
Static puncture test (kN) dry / wet after swelling / re-dried	EN 12236 1,7 / 1,0 / 1,6
Associated movement of plunger (cm) dry / wet after swelling / re-dried	EN 12236 6,1 / 10,8 / 6,1
Class of Robustness	GRK 3
Testing of swelling pressure (kN/m ²) >	190
Water permeability	DIN 18130 TX-KP-STUO
Initial swelling	< 5 x 10 ⁻⁹
Dry-Wet-Testing	< 3 x 10 ⁻⁹
Frost-thaw-cycle (4 cycles)	< 3,9 x 10 ⁻⁹

Please 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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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.

Get in touch with us today!

**INNOVATIVE, WORLD-CLASS,
SUSTAINABLE CONSTRUCTION
SOLUTIONS, POWERED BY OUR
EXTENSIVE EXPERIENCE AND
EXPERTISE.**

AREAS OF EXPERTISE

Structural Waterproofing

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

Damp Proofing & Remedial

A comprehensive range of first class damp proofing and timber treatment solutions.

Specialist Screeds & Coatings

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

Concrete Repair

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

WHAT WE DO

Material Supply

Reliable and sustainable surface solutions accompanied by unrivalled technical support.

Installation Service

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

Technical Support

Extensive experience and expertise in Project Design and Technical Support Services ensuring reliable outcomes for all our clients.

CPD Seminars

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

SURFASOLOGY

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