

SEALFLEX

WATERPROOFING COATING FOR EXTERNAL WALL

DATA SPECIFICATION SHEET

DESCRIPTION

The Sealflex System is a heavy-duty, high build, elastomeric waterproofing coating systems for walls. The Sealflex System is flexible, elastomeric, vapour permeable, waterproof and effective anti-carbonation coating. It is a strong, durable and elastic membrane that is able to bridge small cracks and tolerates movement of substrate.

The Sealflex system comprise of a suitable primer, a 100% acrylic elastomeric bodycoat and a topcoat.

AREA OF USAGE

The Sealflex system is used to provide a waterproof but vapour permeable coating for various vertical substrates such as concrete, light-weight concrete blocks, bricks and masonry. It can also be used on reinforced concrete structures as an anti-carbonation coating.



PRODUCT SPECIFICATION

COLOUR	: Available in a range of decorative colours
PACKING SIZE	: 20 litre / pail
SHELF LIFE	: 2 years in unopened container
SPREADING RATES :	
Primer	: 8 - 10m ² /litre
Bodycoat	: 5m ² /litre x 2 coats
Topcoat	: 8m ² /litre x 2 coats
Consumption of material will also depend on the surface profile.	
DRYING AND OVERCOATING TIMES	: Depend on temperature, humidity and on the part of system in question. Refer to overleaf.
THINNING AND CLEAN-UP	: Thinning is normally not necessary. Cleaning is done with water
SOLID CONTENT	: 34 - 45% by Volume
DRY FILM THICKNESS	: approx. 360 microns
ELONGATION (ASTM D142)	: ≥ 300%
TENSILE STRENGTH (ASTM D412)	: ≥ 3.0 N/mm ²
DIRT COLLECTION (SS 500)	: Passed after 3months, natural weathering
ADHESION TEST (X CUT)	: Passed
WATER VAPOUR TRANSMISSION (ASTM E96)	: 136 g/m ² /24hr
ADHESION TO SUBSTRATE (ASTM D4531)	: 1.3 N/mm ²
FLEXIBILITY (SS 500)	: Passed 3mm mandrel
ACCELERATED WEATHERING (SS 500)	: No failure after 1000 hrs
WET SCRUB RESISTANCE (ASTM D2794)	: No detachment after 3000 cycles

PRODUCT SPECIFICATION

EQUIVALENT AIR LAYER THICKNESS	: $\geq 300\%$
ALKALI RESISTANCE (SS 500)	: Passed
ALGAL RESISTANCE (SS 500)	: No sign of algal growth
WATER ABSORPTION (SS 500)	: 129 ml/m ² /24hr
WATER PENETRATION (DIN 1048)	: No Penetration at 5 bars
CRACK BRIDGING (ASTM C836:2006)	: No cracks occurred up to 2mm

APPLICATION

SUBSTRATE PREPARATION

The substrate shall be clean, dry and free of dirt and oil. The structure and substrate have to be of sound construction, with expansion joints where necessary.

SUBSTRATE APPLICATION

PRIMING:

Apply by brush or roller one coat of Sealflex Primer or Sealflex Solvent Primer at a coverage rate of 8-10 m² per litre. The actual coverage will depend on the surface profile and porosity of the substrate. Leave to dry for 2 hours before overcoating.

BODYCOAT:

Apply by brush or roller two thick coats of undiluted Sealflex Bodycoat (Formlast AF) at a minimum coverage of 5.0 m² per litre per coat. Allow minimum 4 hours drying time before between each coats.

Where spray painting equipment is used for application, Formlast AF can be sprayed on in one single coat as coverage of 2.5m² per litre.

TOPCOAT:

The topcoats to be used in the Sealflex system can be either Formwal 620 or Formwal 622.

The topcoat is applied in two coats at coverage of 8m² per litre per coat when applied by brush or roller. Allow 2 hours drying time between coats.

When spray painting, it may be applied in one single coat at coverage of 4m² per litre.

HEALTH & SAFETY

Read the product label and Material Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

Place Product
Sample Here

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Revision A

All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.