

Sealoflex Ultima Waterproof Coating

Sealoflex Ultima Waterproof Coating is a solvent free, single-component, silane modified polymer coating that is vapour permeable and moisture curing. It is a component of the Sealoflex Ultima System.

INTENDED USE

The Sealoflex Ultima System is suitable in a variety of applications for both new build and refurbishment projects, either as a complete roof waterproofing solution or as a detailing solution in combination with bitumen and synthetic waterproofing membranes.

It can also be used as a waterproofing membrane on balconies and terraces when they are protected e.g. with wooden decking or paving slabs.

INSTALLATION SUMMARY

Before applying Ultima Waterproof Coating ensure that the surface is clean, dry and sound and that the correct Ultima Primer is selected for the substrate.

Ultima Waterproof Coating is a single component liquid that is ready to use straight out of the container. Product requires mixing before use.

Ultima Waterproof Coating is applied in a continuous sequence of base coat, fabric reinforcement and top coat; this process is referred to as 'wet on wet'.

Do not apply if rain is imminent.

For detailed application instructions and surface preparation, refer to the Sealoflex Ultima Installation Manual or contact BMI Icopal Technical Services for further advice.

PRODUCT DATA

| | |
|-----------------------|---------------------|
| Container size | 4 litre or 15 litre |
| Form | Liquid |
| Colour | Mid grey |
| Shelf life | 12 months* |

*From date of manufacture in original unopened containers stored between 5 °C and 35 °C.

CONSUMPTION

| | Standard | Premium |
|---------------------------|--|---|
| Total consumption | 1.5L/m ² (2.2kg/m ²) | 2.1L/m ² (3.2kg/m ²) |
| Coverage per pack | 4L - 2.7m ² 15L - 10m ² | 4L - 1.9m ² 15L - 7.1m ² |
| Temperature limits | 0° C to 40° C (and 3° C above the dew point) | |

* On smooth surfaces.

CURING BEHAVIOUR

| | |
|-------------------------------------|---------------|
| Pot life /workability period | 60 minutes** |
| Rainproof | 20 minutes** |
| Walkable / re-coat | 4 - 8 hours** |
| Fully cured | 72 hours** |

** At 23 °C and 50% relative humidity.

SEALOFLEX ULTIMA MEMBRANE BUILD UP

| | Standard | | Premium | |
|----------------------|--|---|--|---|
| Primer | According to Substrate | - | According to Substrate | - |
| Base coat | Sealoflex Ultima Waterproof Coating | 1.0L/m ² (1.5kg/m ²) | Sealoflex Ultima Waterproof Coating | 1.4L/m ² (2.1kg/m ²) |
| Reinforcement | Sealoflex Ultima Standard Reinforcing Fabric | 110g/m ² | Sealoflex Ultima Standard Reinforcing Fabric | 160g/m ² |
| Top coat | Sealoflex Ultima Waterproof Coating | 0.5L/m ² (0.7kg/m ²) | Sealoflex Ultima Waterproof Coating | 0.7L/m ² (1.1kg/m ²) |

SEALOFLEX ULTIMA PREMIUM SYSTEM

| Characteristic | Performance | Assessment Method |
|---|--|---|
| External fire performance of roofs | Broof (t4) | EN 13501-5 |
| Reaction to fire | Class E | EN 13501-1 |
| Content, emission and/or release of dangerous substances | No dangerous substances | N/A |
| Resistance to water vapour | $\mu \approx 1780$ | EN 1931 - Annex 2 |
| Watertightness | No Leakage | Annex A4.11 |
| Resistance to wind loads | ≥ 50 kPa on concrete substrate | Annex A4.1; Annex A4.2 |
| Resistance to mechanical damage (perforation) | P4 non compressive substrate; P2 compressive substrate | Annex A4.8 |
| Resistance to fatigue movement | W3 - (durability in excess of 25 years*) | Annex A4.5 |
| Resistance to the effects of low and high surface temperatures | TL4 (-30°C); TH4 (+90°C) | Annex A4.3; Annex A4.10; Annex A4.1; Annex A4.4; Annex A4.6 |
| Resistance to ageing media (heat and water) | W3 - (durability in excess of 25 years*) | Annex A4.8; Annex A4.9 |
| Resistance to UV radiation in the presence of moisture | Moderate & Severe - Annual radiant exposure on horizontal surface; average temperature of the warmest month per year: < 5 GJ/m ² and $< 22^\circ\text{C}$; ≥ 5 GJ/m ² ; and/or $\geq 22^\circ\text{C}$ | Annex A4.7 |
| Resistance to plant roots | No Penetration of Roots | EN 13948 |

CLEANING

Uncured material can be removed from tools with mineral spirits. Cured materials will need to be mechanically removed.

TYPICAL SPECIFICATION

Roof waterproofing system to be Sealoflex Ultima Liquid Waterproofing System, as manufactured by BMI UK & Ireland, BMI House, 2 Pitfield, Kiln Farm, Milton Keynes MK11 3LW. The membrane is to be installed and sealed in accordance with the relevant codes of practice and with the manufacturer's instructions.

STORAGE

Sealoflex Ultima should be stored at temperatures between 5°C and 35°C. Where the product is exposed to temperatures below 5°C, ensure duration of exposure is no greater than 5 days. For optimum usage it is recommended to maintain the material above 15°C overnight prior to use. Product stored at low temperatures prior to use will appear thicker in consistency and may take longer to cure.

Store indoors, away from direct sunlight.

DELIVERY

The product is delivered to site in containers packed on pallets, wrapped in polythene. Each container is marked with the manufacturer's name, product description and the appropriate hazard and risk labels.

DISPOSAL

| | | |
|--------|-----|----------|
| Liquid | EWC | 08 04 09 |
| Cured | EWC | 08 04 10 |

CERTIFICATION

Sealoflex Ultima has been independently site and laboratory tested by the British Board of Agrément, and awarded BBA certificate number 15/5229.



SAFETY, QUALITY & ENVIRONMENT

BMI Sealoflex Ultima is manufactured under a Quality Management System approved to ISO 9001: 2015 and an Environmental Management System approved to ISO 14001: 2015, by TÜV NORD CERT GmbH.

Information regarding transportation, handling, storage and disposal can be found on the Safety Data Sheets.



ISO 9001:2015
44 100 21410102



ISO 14001:2015
44 100 21410102

TECHNICAL SERVICES

For further information and technical support, please contact our technical services team:

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Product, technical standards and codes of practice are under constant review. We reserve the right to change and amend products and information without prior notice. For the latest information, suitability and specification advice, please contact BMI Icopal technical services team.