



Sealex

Waterproofing Systems, Sealers & Sealants

PU-213V Bitumen Modified Polyurethane

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PRODUCT

One part polyurethane, liquid waterproofing membrane.

DESCRIPTION

Sealex PU213-V is a one-part coal tar free bitumen modified, moisture curing polyurethane membrane. When cured it provides a tough highly elastomeric, impervious barrier to moisture. Suitable for application by brush, roller or trowel. Bitumen membranes may bleed over time and cause staining. For this reason we do not recommend Sealex PU213-V be used under tiles or in areas that may be affected by this.

RECOMMENDED USES

- Masonry walls, foundations and basements.
- Planter boxes and tubs.

FEATURES & BENEFITS

- Coal tar free
- No mixing
- Early access for following trades
- Brush, roller or trowel applied
- Does not brittle with age
- Exhibits tenacious adhesion to masonry
- Non re-emulsifying
- High elasticity

PERFORMANCE PROPERTIES

Typical properties after 7 days cure at 25 °C and 50% RH

Colour Black

Appearance Smooth black paste, brushable, rollable

Shore "A" Hardness 30

Elongation 700%

Peel Strength 3-6kg/cm²

Moisture Vapour

Transmission Rate

1.412 g/hr/ft²

Cure Time 24 hr

Flammability Non-flammable

Conforms to ASTM C836.76, ASTM D412, ASTM D2280, ASTM E-96

COVERAGE:

Sealex PU213-V is a recommended 2 coat system, each coat should be applied at a rate of 1 m² per litre. A minimum of 24 hours should be allowed between coats. To ensure optimum performance, Sealex PU213-V must be applied to achieve a minimum dry film thickness of 1.5mm. Do not thin with solvents or add fillers to Sealex PU213-V.

APPLICATION INSTRUCTIONS

PREPARATION

All surfaces must be clean, dry, free of voids, curing compounds, loose materials, oil, grease, sealers and determined to be structurally sound before the application of Sealex PU213-V. New concrete must have cured for 28 days.

APPLICATION

• The following instruction steps as detailed in this Technical Data Sheet may not be applicable in every application. They are provided as a guide to help ensure the correct procedures are followed.

• It is recommended that the installation of Sealex PU213-V membrane should be carried out by professional applicators of waterproofing membranes. Installation shall be strictly in accordance with the manufacturer's written instructions.

- Sealex PU213-V can be applied by brush, roller, trowel.
- Seal all cracks or joints over 2mm in width with Ultraseal sealant before application of the membrane.
- Sealex PU213-V can be applied immediately over Ultraseal Fillet and Seal after initial set (approximately 45 minutes at 25°C).
- Apply Sealex PU213-V evenly to avoid thin spots, air entrapment or pin holes. Any defects or damage can be repaired by over coating with Sealex PU213-V. (See recoating and/or repair)
- If Sealex PU213-V is left exposed for prolonged periods before further top coating can be applied, solvent cleaning of the membrane surface will be required to ensure top coat adheres without possible delamination (see recoating and/or repair).
- Commencement of membrane application shall be taken as acceptance of the substrate suitability and preparation by the applicator.

PRIMING

- Sealex PU213-V does not require priming on clean and dry substrates.
- Extremely porous substrates, very damp or green concrete or surfaces subject to low head of water pressure must be coated with Sealex SE20 vapour and moisture barrier as a primer sealer and allowed to fully cure prior to any application of Sealex PU213-V
- For pre-treated or suspect surfaces, contact SEALEX Technical Division.

PRECAUTIONS

- Membrane must not be installed on wet, contaminated, or friable substrates.
- Rate of membrane cure will be inhibited when air or substrate temperatures are below 5 °C.
- Should not be applied greater than 1.5mm in depth in one application as the likelihood of foaming may occur.
- Requires atmospheric moisture to fully cure. It should not be used in totally confined or air free spaces.
- Tiling screeds, toppings or soil filling should not be carried out until membrane is fully cured.
- SEALEX PU is not designed for applications directly under tiles. Ultraseal product range is recommended for direct adhere tiling applications.
- To eliminate possible surface contamination tiling screed bedding or topping should be carried out as soon as possible after curing or temporary membrane protection will be required
- Sealex PU213-V membrane should never be used as an exposed finish or as top coating exterior membrane, Sealex PU-10 is designed for these applications.
- Should not be applied over any form of lightweight concrete
- Although it is not recommended, if direct sticking of tile adhesives is intended to Sealex PU213-V, a polyurethane based tile adhesive such as ASA Polyfix should be used.

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