



Sealex Industries

Waterproofing Systems, Sealers & Sealants

PU10

**TRAFFICABLE UV STABLE
WATERPROOFING SYSTEM**

Data sheet Page 1/2

DESCRIPTION

Sealex PU10 is a urethane/acrylic high build, UV stable waterproofing membrane.

ADVANTAGES

Sealex PU10 waterproofing system is UV resistant and is suitable for many waterproofing applications. The product exhibits excellent durability, aging and weathering and when properly applied, will cope with maintenance pedestrian traffic. (PU10T system is Trafficable)

APPLICATIONS

Sealex PU10 is designed as a UV resistant hard wearing waterproofing system and is suitable for many applications where a finished product is required or for areas that need to be tiled. These areas can include balconies, wet areas, roof top areas, decks, and other surfaces requiring a hard wearing waterproofing membrane.

PREPARATION

Substrates must be dry, cured, smooth and sound. They must be free from oil, grease, waxes, dust, laitance, cracks and all loose matter. Any surface defects should be repaired prior to application of the membrane system. 1. Joints, gaps, cracks, holes etc should be sealed and filled with PULM prior to application on 36mm bond breaking tape. 2. Hairline cracks must be chased out prior to being filled and sealed with PULM and bond breaker tape. Painted surfaces should be cleaned and lightly sanded to ensure that the priming system achieves a key. Rusted metal will need the rust treated before the application of a primer.

SUBSTRATES

Suitable for concrete, masonry, compressed sheeting, plaster board, plywood timber and metal surfaces. All substrates must be completely cured and dry. (See CURING OF CONCRETE AND CEMENT SCREEDS page 2)

PRIMING

It is recommended that all surfaces be primed with Sealex SE20. (Refer to SE20 data sheets) Membrane application must be applied to SE20 within 24 hours. Old concrete may need to be diamond ground and degreased etc. Galvanized metals and steel substrates must be suitably primed (eg, metal etch prime). If the membrane is to be overlaid with tiles and the substrate is free of moisture, Sealex AP-15 water based primer will act as a suitable primer and adhesion promoter.

APPLICATION

Stir well: apply by brush spray equipment or long nap roller to obtain consistent even coats. The recommended primer system, 1x body coat and 1 or more subsequent coats are required until the final cured dry film thickness of the PU10 is at least 1.2mm. Each coat must be applied at right angles to the body coat after they are dry. Where potential movement of the substrate is expected such as floor to wall and wall to wall corners, floor joints, penetrations, cracks and expansion joints (not in excess of 2mm) a 15mm wide urethane or neutral cure silicone sealant bead such as Sealex PULM or 36mm silicone tape must be applied as a bond breaker. It is critical that the urethane bond breaker is allowed to completely cure prior to the application of the PU10 system. A Polyester reinforcing fabric or 225gram fiberglass must be embedded in to the body coat over the bond breaker followed by a saturating coat (ensure that the reinforcing fabric is wrinkle free and completely saturated with wet membrane) and allowed to dry. Apply a top coat ensuring that the fabric is completely covered and there are no pin holes. All waterproofing applications must conform to the current applicable Australian standards, AS4858 2004 and AS3740 2004.

WASTE OUTLETS

Flange fittings are recommended and should be rebated into the substrate and sanded before waterproofing. The membrane should be laid around the outlet and onto the flange plate and turned down into a drain finishing to a clean edge.

COVERAGE

1.5L to 2L per m² in 2 or more coats

2L to 2.5L per m² in Reinforced applications

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Data sheet Page 2/2

CURING OF CONCRETE AND CEMENT SCREEDS

All cement screeds and concrete slabs must be dry and completely cured (min 28 days) prior to application of Sealex PU10 system. Suitable moisture content for concrete slabs and cement screeds is less than 4% prior to applying the recommended PU10 system. Were the concrete slab or cement screed has been cured (min 28 days) and the moisture content is still higher than 4%, 2 or more heavy coats of SE20 epoxy primer may be applied to the moist substrate prior to application of the membrane system. (refer to SE20 data sheets)

COLOUR

Grey (other colours available to special order)

DRYING TIME

Average over coat drying time is 2 hours approx at 20 degrees C in low humidity. Average over coating drying time when reinforced is 3 hours at 20 degrees C in low humidity. Damp surfaces, low ventilation and cooler weather will greatly increase drying times. Full cure of the membrane system can take up to 48 hours in cool damp weather. Full cure of the membrane must be achieved before tiling or covering.

STORAGE

Can be stored for up to 12 months in sealed containers out of direct sunlight.

CLEANING UP

Equipment and minor spills can be cleaned up with water if still wet. Dry product can be cleaned with Xylene.

PACKAGING

Sealex PU10 is available in 15Lt or 200Lt drums.

PRECAUTIONS

Sealex PU10 is a safe water-based product however; avoid contact with the skin and eyes. If poisoning occurs contact a doctor or the poison information centre. Do not induce vomiting. Give water to drink. The use of gloves and eye protection is always recommended. Read MSDS sheets available on request. 1300 555 955

MAINTENANCE

Sealex PU10 would normally require recoating at 8-10 year intervals where exposed to UV and areas subject to regular foot traffic may require recoating at 4 to 5 year intervals.

TECHNICAL NOTES

Shelf life:	12 months in a cool dark environment.
Clean up:	Water.
Flash point:	None.
Application Temperature range:	10-45 degrees C
Dilution:	Nil.
Volume Solids:	60% +/- 2%
Fungus Resistance:	In can and dry coat.

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