



Sealex Industries

Waterproofing Systems, Sealers & Sealants

PU-65 Water Based Polyurethane

Data sheet page 1 / 2

DISCRIPTION:

Sealex PU - 65 is a grey, water based polyurethane modified, flexible waterproofing membrane. Sealex PU - 65 is fast drying, UV stable and can be recoated after 4-6 hours @ 20 Degrees Celcius depending on amount of coats applied. Sealex PU - 65 doesn't require the use of any reinforcement. and is ideal for waterproofing of Shower Recesses, bathrooms and Laundries roofs, plant rooms. Sealex PU - 65 can be used for internal or external waterproofing applications and can be used over concrete, render, rendered brickwork, block work, Fibre-cement, Gyprock and particle board surfaces. Sealex PU - 65 is easy to clean up and Sealex / ATLAS Cement Based Tile Adhesive can be applied over SEALEX PU - 65.

PREPARATION (for internal areas only)

1. All waterproofing should be carried out in accordance with AS3740:2004 – Waterproofing in Internal Residential Areas.
2. All new concrete surfaces must be allowed to cure for at least 6 weeks and have a wood float finish. Steel trowelled finished slabs must be chemically or mechanically abraded prior to commencing waterproofing. All damp / green concrete surfaces must be primed with Sealex SE30
3. All rendered surfaces must be allowed to cure for at least 7 days prior to commencing waterproofing. Ensure all rendered surfaces have a wood float finish.
4. The maximum variation in the plane must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
5. Fibre Cement sheet when used as an underlay or wall/floor material must be a minimum of 6mm in thickness. All FC Sheets should be fixed in accordance with the manufacturer's instructions and the relevant standards.
6. Compressed Fibre-Cement sheets when used as a floor substrate must be 15mm thick, and when used a wall substrate must be 9mm thick and must be installed in accordance with the manufacturer's instructions and the relevant standards.
7. Gypsum-plasterboard sheets when used as a wall substrate must be a minimum of 10mm thick, and installed in accordance with the manufacturer's instructions and the relevant standards.
8. Ensure all metal surfaces are rust free. Steel surfaces should be primed with anticorrosive primer. Non Ferrous surfaces should be etch primed.
9. Ensure all surfaces are sound, dry and free from excessive movement, oil, dust, grease, wax, curing compounds, release agents, paint and any other loose contaminating materials. Also remove any protrusions from the surface that may pierce the membrane. All surfaces must be primed with Uniprime prior to application of Sealex PU - 65 to the substrate, except for metal.
10. When applying Uniprime it is recommended to firstly pour some primer in a section then spread the primer using a broom, brush or roller. Then continue this method of application until the entire area is primed. NOTE: This method of application ensures a thorough coat of the primer on the surface.
11. Allow the primer to dry for approximately 10 - 20 minutes at 20oC prior to commencing waterproofing.
12. All screw/nail heads must be sealed with SC600 Sealex neutral cure silicone.
13. Small hairline cracks may be filled with the first applications of Sealex PU - 65. Cracks larger than 2mm, structural shrinkage cracks or sheet joints, must be firstly filled with SC600 Sealex neutral cure silicone, and then a 50mm wide Sealex ST72 silicone tape placed over the crack prior to the applications of Sealex PU - 65.

Refer to Application Guide for full waterproofing details.

Mixing

SEALEX PU- 65 DOES NOT REQUIRE MIXING

Statements made in this bulletin are for the assistance of our customers. They are based on our experience and Judgement but must not be regarded as amounting to legal warranty or as involving any liability on our part. Sealex Industries guaranties the products against faulty manufacture and defective materials. Should any of its products be proven to be defective, the liability of Sealex shall be limited to replacement of the product and this warranty is in lieu of all other warranties expressed or implied. The user shall determine suitability of the product and assume all liability in connection therewith.

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Data sheet page 2 / 2

APPLICATION (for internal areas only)

1. Once the surface has been appropriately prepared in accordance to above instructions. Apply silicone sealer to all wall/wall and wall/floor junctions. Use a spatula or other tool to shape the silicone into a coved fillet (as per AS3740:2004 – Waterproofing Internal Wet Areas).
2. Apply the first coat of Sealex PU - 65 to the primed surface using a thick brush or roller. @ 0.75 litre per m2. Coat walls and floor so that membrane continues all the way into the drain flange and up and over any hob. For step down and frameless shower screens (follow details outlined in AS3740:2004.)
3. Allow the first coat to completely dry and then re-apply a second coat of Sealex PU - 65 @ 0.75 litre per m2 at 90 degrees to the first coat. Ensure complete coverage is achieved and no air bubbles exist. A third coat may be required if imperfections are present in the membrane.
4. Conduct a final inspection on the surface of the membrane prior to commencing tiling to ensure no pinholes exist.
5. Once the waterproofing is completed do not disturb the area for at least 24 hours at 20°C. Sealex PU - 65 requires to be applied at a minimum thickness of 1.00mm of dry film. If a full ponding test is required prior to tiling, allow membrane to cure for at least 5 days prior to testing.

Refer to Application Guide for full waterproofing details.

Coverage:

The coverage of SEALEX PU – 65 will vary depending upon the substrate, size and type of application and site conditions. As a guide it will cover approximately 1.5L / m2 @ 1mm dry film thickness (2 Coats).

Clean Up:

Surplus SEALEX PU – 65, tools and other equipment can be cleaned up using water while the membrane is still wet.

Useful Instructions:

SEALEX PU – 65 cannot be applied in areas where hydrostatic pressure is evident.

Do not apply SEALEX PU – 65 in temperatures above 40°C and below 5°C.

Ensure that SEALEX PU – 65 is entirely dry and the surface has no pinholes before applying any top coat over it.

SEALEX PU – 65 is classified as a non-hazardous product.

For MSDS on PU – 65 please contact SEALEX INDUSTRIES 1300 555 955.

SEALEX PU – 65 cannot be used in areas of large permanent water emersion like swimming pools.

Applications / situations not mentioned in the above instructions please contact SEALEX INDUSTRIES 1300 555 955.

Packaging / Shelf Life:

SEALEX PU – 65 is available in 15lt pails.

A pail of SEALEX PU – 65, when stored in a cool, dry environment, and is stored above ground level, will have a shelf life of approximately 12 months.

Technical Data:

Properties Results

Density 1.25 +/-0.05

Drying Time @ 20oC Approx 8 hours

Full cure @ 20oC 3 days

Re-coat Time 4-6 Hours @ 20oC

Dry film thickness 1-2 mm

Appearance Grey Paste

The information stated above is to the best of our understanding. The actual application of the product is outside the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insists that all workmanship must be carried out in accordance with AS 3740.

It is also the responsibility of the applicator to make certain the literature they have is the most recent issue.

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