

# **PU-65 Application for Internal Areas**

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 20C 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 joins, must be firstly filled with SC600 Sealex neutral cure silicone, and then a 72mm wide Sealex ST72 silicone tape placed over the crack prior to the applications of Sealex PU - 65.
14. 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).
15. 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 framless shower screens (follow details outlined in AS3740:2004.)
16. 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.
17. Conduct a final inspection on the surface of the membrane prior to commencing tiling to ensure no pinholes exist.
18. 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.

# **PU-65 Application for External & Exposed Areas**

1. All waterproofing should be carried out in accordance with AS4654.2:2009 – Waterproofing Membrane Systems for Exterior Use.
2. Special consideration should be given to detail at expansion, movement and control joints. Note also that special detailing is required at parapets, junctions and penetrations. Consult AS4654.2:2009 for more details.
3. Note that Sealex PU-65 is UV resistant and is suitable for exterior use as an exposed membrane for light foot traffic. For example, the roof on a block of units where a BBQ is held once a week for the residents is not considered “light” foot traffic. Light foot traffic would include a roof where occasionally service people carry out inspections or on a personal balcony where there is no furniture and is used rarely. Sealex PU-65 membrane must be protected from mechanical damage caused by furniture, plant pots, falling objects or any other situation which may puncture or abrade the membrane.
4. 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
5. 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.
6. The maximum variation in the plane must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
7. 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.
8. 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.
9. Ensure all metal surfaces are rust free. Steel surfaces should be primed with anticorrosive primer. Non Ferrous surfaces should be etch primed.
10. 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.
11. 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.
12. Allow the primer to dry for approximately 10 - 20 minutes at 20C prior to commencing waterproofing.
13. All screw/nail heads must be sealed with SC600 Sealex neutral cure silicone.
14. 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 72mm wide Sealex ST72 silicone tape placed over the crack prior to the applications of Sealex PU - 65.
15. 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).
16. Apply the first coat of Sealex PU - 65 to the primed surface using a thick brush, roller or airless spray @ 0.75 litre per m2. Coat walls and floor so that membrane continues all the way into the drains and up and over any parrapets and up walls for at least 150mm (follow details outlined in AS4654.2:2010.)
17. 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.
18. Conduct a final inspection on the surface of the membrane to ensure no pinholes exist.
19. Once the waterproofing is completed do not disturb the area for at least 24 hours at 20°C. Protect membrane from rain or bad weather for at least 48 hours. Sealex PU - 65 requires to be applied at a minimum thickness of 1.00mm of dry film. If a full ponding test is required, allow membrane to cure for at least 5 days prior to testing.

# **PU-65 Application for Water Features & Small Ponds**

1. Water features and small ponds include structures that are small enough not to require any expansion joints, comprise an area of less than 10m<sup>2</sup> and are such a depth that less than 500mm at the deepest end. PU65 is suitable for most types of fish.
2. All waterproofing should be carried out in accordance with AS4654.2:2010 – External Waterproofing.
3. 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.
4. 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.
5. The maximum variation in the plane must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
6. Compressed Fibre-Cement sheets when used as a substrate must be 15mm thick, and must be installed in accordance with the manufacturer's instructions and the relevant standards so that no movement is likely..
7. Ensure all metal surfaces are rust free. Steel surfaces should be primed with anticorrosive primer. Non Ferrous surfaces should be etch primed.
8. 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 Sealex SE30 prior to application of Sealex PU - 65 to the substrate, except for metal.
9. Follow the directions on the Sealex SE30 data sheet for application instructions.
10. Allow the primer to dry overnight prior to commencing waterproofing.
11. All screw/nail heads must be sealed with SC600 Sealex neutral cure silicone (note that Compressed F/C sheet should not be used in areas of full immersion).
12. 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 72mm wide Sealex ST72 silicone tape placed over the crack prior to the applications of Sealex PU - 65.
13. 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 AS4564.2:2010 – Exterior Waterproofing).
14. Apply the first coat of Sealex PU - 65 to the primed surface using a thick brush or roller. @ 0.75 litre per m<sup>2</sup>. Coat walls and floor so that membrane continues all the way into any drains and up and over any walls.
15. Allow the first coat to completely dry and then re-apply a second coat of Sealex PU - 65 @ 0.75 litre per m<sup>2</sup> 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.
16. Conduct a final inspection on the surface of the membrane prior to commissioning or commencement of tiling to ensure no pinholes exist.
17. Once the waterproofing is completed do not disturb the area for at least 24 hours at 20°C. Protect membrane from rain or bad weather for at least 48 hours. Sealex PU - 65 requires to be applied at a minimum thickness of 1.00mm of dry film. If a full ponding test is required, allow membrane to cure for at least 5 days prior to testing.

# **PU-65 Application for Retaining Walls & Small Garden Boxes**

1. All waterproofing should be carried out in accordance with AS4654.2:2009 – Waterproofing Membrane Systems for Exterior Use.
2. Special consideration should be given to detail at expansion, movement and control joints. Note also that special detailing is required at parapets, junctions and penetrations. Consult AS4654.2:2009 for more details.
3. 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
4. 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.
5. The maximum variation in the plane must not exceed 5mm in 3 metres for floors and 4mm in 2 metres for walls.
6. Ensure all metal surfaces are rust free. Steel surfaces should be primed with anticorrosive primer. Non Ferrous surfaces should be etch primed.
7. 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.
8. 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 (do not prime over Sealex SE 30).
9. Allow the primer to dry for approximately 10 - 20 minutes at 20C prior to commencing waterproofing.
10. All penetrations must be sealed with SC600 Sealex neutral cure silicone.
11. 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 72mm wide Sealex ST72 silicone tape placed over the crack prior to the applications of Sealex PU - 65.
12. 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).
13. 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 any drains flange and up and over the wall of the garden box or retaining wall.
14. 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.
15. Conduct a final inspection on the surface of the membrane to ensure no pinholes exist.
16. Once the waterproofing is completed do not disturb the area for at least 24 hours at 20°C. Protect membrane from rain or bad weather for at least 48 hours. Sealex PU - 65 requires to be applied at a minimum thickness of 1.00mm of dry film. If a full ponding test is required, allow membrane to cure for at least 5 days prior to testing.
17. After application of the above instructions, Sealex CPB3 protection boards must be installed after the Sealex PU65 has fully cured, Sealex protection boards must cover all applied Sealex PU65 and correct taping all board joints (refer to CPB3 Data sheets) and Sealex DBF8 drainage cell then must be applied with correct over-lapping of drainage cell (refer to DBF8 Data sheets) over all installed Sealex protection boards prior to filling with soil / dirt.