

# TECHNISEAL PC

Single Pack Acrylic Waterproofing acrylic compound

Techniseal PC is an acrylic mastic high solids coating used in combination with non - woven membrane forming a durable flexible laminate designed for waterproofing flat roofs or parapet walls.

## BENEFITS:



*Nontoxic, water-based and environmentally friendly.*



*Waterproofing*

*Excellent adhesion on concrete, galvanized steel and aluminum*



*Durability – no embrittlement over time.*

*Brilliant resistance to acidic industrial fallout.*



*Protection and vapour sealing of foamed thermal insulation.*



*Effortlessness to maintain – any accidental damage to system can be rapidly repaired by means of a patch.*

## TECHNICAL DETAILS

|                              |  |
|------------------------------|--|
| Solids Content               | 50%  |
| Recoat                       | 1 to 2 hrs   |
| Light Traffic                | 18 hrs   |
| Heavy Traffic                | 3 days   |
| Full Cure                    | 7 days   |
| Components                   | 1  |
| Colours                      | Standard Colours   |
| Finish                       | Matt/Satin   |
| Coverage                     | 6-8 m <sup>2</sup> /L (Concrete)<br>10 m <sup>2</sup> /L (Metal) |
| Dry Film Thickness           | 150 µm (per coat)  |
| Application                  | Roller, Brush, Spray   |
| Service Temp                 | 66°C max (dry)   |
| Chemical Resistance          | Refer to chemical chart  |
| <b>PACKAGING</b>             |  |
| Single component 5 L or 25 L |  |

## APPLICATIONS:

- Waterproofing of concrete roofs and parapet walls
- Over coating and waterproofing of mastic asphalt roofs
- Waterproofing of laps, joints and fasteners on asbestos and metal roof sheeting.
- Protection and vapour sealing of foamed thermal insulation.

### Gauteng

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## SUBSTRATE REQUIREMENTS

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials. The moisture content should be less than 5% and free from rising damp. The surface finish of the concrete should be class 2 (AS 3610).

Note: Any filling of blowholes/voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

## PREPARATION

### Concrete

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding, abrasive blasting or scarifying to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface.

### Wood

Wooden substrates are to be suitably sanded, existing coatings are to be removed. Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface.

### Steel

Steel surfaces require abrasive blast cleaning (Sa 2  $\frac{1}{2}$ , ISO 8501-1: 1988) with a blast profile that does not exceed 50  $\mu\text{m}$ , alternatively the steel can be prepared mechanically to Grade St3. Mechanical cleaning is, however, not as effective as abrasive blasting and results in a shorter maintenance free life.

For galvanized steel, ensure the galvanized iron is prewashed to remove oils and contaminants.

## PRIMING

Ensure application conditions of 15 to 28°C. Primer with Techfin HD Bonding Liquid.

Allow primer to cure for 1 to 2 hours prior to application of Techniseal PC. The primer must show a visibly complete seal of the substrate.

Note: Solidkote STP Primer is recommended for difficult surfaces (persisting contamination).

## MIXING AND APPLYING:

Ensure application conditions of 15 to 28°C. Ensure adequate lighting to achieve an even and level spread. Installation should not be attempted unless application team is fully trained.

Mix thoroughly with a mechanical mixer to resuspend any sedimentation.

Apply Techniseal PC with a mohair roller to produce an even 150  $\mu\text{m}$  film. Allow the first coat to cure for at least 1 hour prior to the application of a second coat.

Apply Techniseal PC at 0.5m<sup>2</sup>/L and immediately lay the geo-textile membrane into the paint. Apply a further 1.3 to 1.5 L/m<sup>2</sup>, fully saturate the membrane. Roll with mohair roller to flatten and remove air. All laps are to have at 75 mm overlap with full saturation of the PC into the membrane. Allow to cure for 18 hours and apply the TECHNISEAL PC Top coat at 0.3 to 0.5 L/m<sup>2</sup>.

## MAINTENANCE

Regular cleaning extends the service life of the Solidkote PC system. Water proofing systems should be inspected annually. It is recommended to apply a rejuvenation top coat every 5 years.

## HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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