

Method statement for application two component aliphatic acrylic poly urethane seal coat BC PU Clear

Scope

This method statement describes the step by step application of two component liquid

Applied, highly elastic polyurethane waterproofing membrane **BC PU Clear** over ceramic tiles in modular pre-engineered building structures.



Product Description

BC PU Clear is a two component, liquid applied polyurethane waterproofing membrane for modular structures that will be covered by protective toppings. BC PU Clear is flexible and provides a continuous seamless waterproofing membrane for a wide range of applications.

Uses

As waterproofing membrane on walls roofs podiums balconies tanks (external) and planters
As waterproofing coat for external wall basements and foundations and ceramic tiles
As water barrier under plasters screeds or tiles

Characteristics/ Advantages

Excellent adhesion on concrete, render and masonry and ceramic tiles
High crack bridging ability
Good impact and abrasion resistance
Good chemical resistance
Non-toxic
Easy to use and quick drying

System guide

Substrate : Smooth concrete

Seal Coat : BC PU Clear

Application

Substrate preparation

All substrates must be structurally sound, stable, dry and clean (compressive strength: min. 25 N/mm ² and cohesive strength: min. 1.5 N/mm ²).
Smooth shiny surfaces are to be roughened while uneven surface to be leveled or filled first.
All surfaces should be free of sharp protruding, loose materials, de-bonded coatings, curing membranes, release agents, wax residues, laitance, algae and moss, oils, dust, etc.
Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.
Cracks and faulty joints should be repaired.
BCthane sealer can be applied by brush, roller, trowel, squeegee or airless spray directly onto the treated substrate. Apply subsequent coats at different directions to the previous coat.
Before applying any coating, the previous coat must be touch dry.
Subsequent coats should be applied within a max. period of 24 hours.
The finished membrane should be protected from damage by other trades.
Stirring material before application Application at detail areas first (corner, upstand, etc.)



Protection layer work

When waterproofing work finished and membrane full cure, apply protection layer.

Not to be used as trafficable top coat
Do not apply at ambient and substrate temperatures less than 5o
Do not apply directly to wet and damp surface
Do not thin with water or other solvents
Do not apply to areas when rain is imminent
Ensure adequate ventilation during application
Allow 3 days (@25 C & RH 75%) drying period before flood test on treated area