

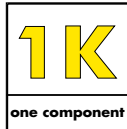
# Polytex S

**Single component, acrylic based waterproof coating**



## CHARACTERISTICS

- ▶ Single component. Easy to apply.
- ▶ Water based. Low VOC
- ▶ Elastomeric. Good crack bridging capability.
- ▶ Good barrier against chloride ion ingress



## DESCRIPTION

Polytex Super is a superior grade, single component, acrylic based, waterproof coating with high elastomeric properties. It is durable, flexible and has a high level of resistance to weathering agents like UV, sunlight and rain.

## FIELDS OF APPLICATION

- Concrete flat and sloping roofs
- Corrugated sheets
- External Facades of concrete structures
- Waterproofing of car park decks
- Underpasses
- Protective coating on exposed reinforced concrete from carbonation & chloride attack.

## ENVIRONMENTAL INFORMATION

Contributes toward satisfying LEED® v4 requirements of the SS Credit- Heat Island Reduction.

## APPLICATION INSTRUCTION

### Surface Preparation

All the substrates must be dry and free of dust, dirt, moss, oil, grease and loose particles. Metal surfaces should be rust free. This can be achieved by wire brushing or grit blasting. Unsound surfaces are to be removed and repaired with a suitable repair mortar.

### Priming

A primer coat is required to seal the pores and stabilize the surface. Polytex Super diluted with 20% clean water may be used as a primer coat. It will improve the bond strength of the coating. This can be applied by a brush, roller or spray. The primer coat should be allowed to dry completely before



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the application of Polytex Super. The drying time would be a minimum of 8 hours at 25°C.

### Application

Stir the contents of the drum prior to the application to remove any sediments. Polytex Super can be applied by soft bristled brush or roller, but is probably best applied using an air less spray. Apply the first coat of undiluted material at a coverage rate of 1L/m<sup>2</sup>/coat to get a Dry Film Thickness of 0.5 mm. It is important to ensure that each coat has to be cured totally before applying the next coat. Prior to the application of the second coat, a close visual inspection of the surface should be made for any pin holes or surface irregularities. The second coat should be applied at right angle to the first at the same coverage rate, to ensure a full unbroken coating to the substrate. For improved results a non woven geo-textile membrane can be reinforced in to the first coat while it is wet at expansion joint areas and on the fillets in all corners. This will give an added reinforcement to the coating. Allow the coating to cure fully (72 hours) after which it can be made trafficable.

### COVERAGE

1L / m<sup>2</sup> / coat for 0.5 mm D.F.T. 2 coat application will give a combined Dry Film Thickness of 1.0mm.

## CLEANING & DISPOSAL

Clean all the tools with water after use. Hardened materials can be removed mechanically only. Allow the waste to cure. Seal it into a suitable container and bury in landfill. Use licensed waste disposal contractor and consult the local authorities when disposing.

## PACKING

Polytex S 20L Pail.

## STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climate the product must be stored in air – conditioned environment. Shelf life is up to 12 months when stored as per recommendations.

## HEALTH AND SAFETY.

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## TECHNICAL PROPERTIES

PROPERTIES	VALUES	TEST STANDARDS
Color	White or Grey	-
Density [g/cc]	1.25 ± 0.05	-
Solid content [%]	50 ± 2	-
Tensile strength [N/mm <sup>2</sup> ]	>1.5	ASTM D 412
Elongation* at break [%]	>350	ASTM D 412
Hydrostatic pressure at 5 bar [50m]	No leakage	BS EN 12390 Part - 8 : 2000
Application temperature	+10°C to 50°C	-
Service temperature	-5°C to +90°C	-
Solar reflectivity	Excellent	-
Ageing	Good resistance	-

*All values given are subject to 5-10% tolerance*

*\*Tested on a cured film at 7days*

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.