



## TechnoSeal<sup>®</sup> PS Prime

High Build Two component Low Viscosity Polysulfide Sealant Primer.

### Description:

TechnoSeal<sup>®</sup> PS Prime is a two-component, solvent-borne, polyamide-cured liquid primer containing special adhesion promoting agents that prepares non-porous surfaces and surfaces that will be subsequently submerged for the application of TechnoSeal<sup>®</sup> PS, TechnoSeal<sup>®</sup> PU and TechnoFlex<sup>®</sup> range of joints sealants TechnoSeal<sup>®</sup> PS Prime imparts a surface finish which is very receptive to polysulfide sealants.

### Application Includes:

Recommended for use in conjunction with TechnoSeal<sup>®</sup> range of two-part polysulphide sealants for the priming of porous surfaces such as concrete, block-work, brickwork etc.

### Features:

- Provides primer base for adhesion of TechnoSeal<sup>®</sup> range of two-part polysulphide sealants.
- Increases adhesion for use in immersion situations.
- Seals porous surfaces increasing water tightness.
- Fast recoat times.

### Health and Safety instructions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Precautions Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. Store all materials and equipment safely and out of reach of children and animals.

Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

### Cautions & Important Watch Points

The reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as the relative humidity. Under lower temperatures, the chemical reaction times are prolonged and this increases the pot life, coating interval and the working time. In addition to this, the consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and the above mentioned times decrease accordingly. For the material to be cured properly, the ambient and the substrate temperatures should not fall below the specified limits.

TechnoSeal<sup>®</sup> PS Prime as ready-to-use kits. No solvent etc should be added during application. The empty packs should be consolidated and disposed properly in order to prevent

### Typical Properties at 25°C

Appearance	Clear resinous liquid
Specific Gravity	0.9-1.0g / mL
Water Resistance	Excellent
Permissible Relative Humidity %	40-90%
Pot Life @ 25°C	3 hours
Recoat on Concrete @25°C	3 hours (minimum), 36 hours (maximum)
Recoat on steel @25°C	4 hours (minimum), 36 hours (maximum)
Sealant application time @ 25°C	30 min to 4 hours. If allowed to dry for longer the surface must be reground and reprimed.
Recommended number of coats	One
Consistency	Low viscosity liquid
Do NOT apply	If surface is less than 5° C above dew point

### Application Procedure

#### Surface Preparation:

New concrete must be a minimum of 28 days old. The joint must be clean and sound. All oil, dirt, debris, paint and any other material that could be a bond breaker must be removed. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or by pressure washing. All joint facings must be dry and have an open surface texture with all curing compounds and sealers removed. When applying to steel, the steel must be abraded to a "near white" condition prior to applying TechnoSeal<sup>®</sup> PS Prime.

#### Mixing:

Pre-mix Part A on its own prior to adding Part B. Pour Part A and Part B into a clean container and mix thoroughly for 3 minutes. Scrape the sides of the container while mixing to ensure the entire quantities of both parts have been properly mixed. Unmixed material will not cure properly.

#### Application:

TechnoSeal<sup>®</sup> PS Prime should be applied with a clean brush or roller, but do not allow the product to puddle or pond. Use with adequate ventilation. Allow TechnoSeal<sup>®</sup> PS Prime to cure within the recommended recoat time before applying TechnoSeal<sup>®</sup> PS range of polysulphide sealants.

#### Coverage

Application rate is approx. 0.15kg / m<sup>2</sup> (0.15L / m<sup>2</sup>); 0.3kg / m<sup>2</sup> or more may be required for very porous concrete.

reusing of the packages. Epoxy and polyurethane based floor coatings should be applied by specialists Applicators.

The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and enabled to adjust the ambient conditions. In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product, the packages should be preconditioned to +20°C - +25°C to become ready to use.

After the application, the material should be protected from direct contact with water for 24 hours minimum. Within this period, a contact with water may cause a surface carbonation and/or tackiness; both of which will cause the coating to lose its characteristics. In such cases, the overall coating should be removed from the floor and renewed.

Permissible relative humidity 40%-90%.

Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +10°C or above +30°C.

**DISCLAIMER:** The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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Please note that this datasheet supersedes all previous versions.

## Cleaning of Tools and equipments

Used tools and equipment must be cleaned carefully with an appropriate solvent like TechnoPur® Eco Cleaner. Once cured TechnoSeal® PS Prime can only be removed by mechanically.

## Packaging

TechnoSeal® PS Prime supplied in 1 kg, 4kg and 20 kg working packs.

## Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palletes should be placed on top of each other and the shipment should be made on a 'first come, first go' basis. Palletes should not be placed on top of each other during long term storage. Keep away from any fire hazards or ignition sources

## Shelf Life

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

## Additional information

Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

\*Separate datasheet are available on these products.

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