

**Description:**

TechnoProof<sup>®</sup> WP is a chloride free liquid waterproofing admixture formulated from selected polymers to prevent moisture intrusion in masonry structures, to reduce the permeability in cement-based mortars and screeds.

TechnoProof<sup>®</sup> WP blocks the natural pores in the mix and imparts hydrophobic properties which reduce water permeability and significantly reduce water absorption and efflorescence potential, and overall mortar integrity as a result.

**Application Includes:**

TechnoProof<sup>®</sup> WP is recommended for use in the following areas of application-

- Cement sand mortars
- Pointing mortars
- Renders
- Screeds
- Bricklaying mortars

**Features:**

- Improves durability by minimizing penetration of moisture and water dissolved salts.
- Improves workability and the cohesion of mortar mixes by entraining microscopic air bubbles that work as lubricant.
- Reduces secondary efflorescence and pigment leaching from cement mortars.
- Chloride free.
- Provides integral protection, ensuring reduced permeability throughout the concrete.
- Lower water/cement ratio improves compressive strength at same workability

**Application Information**

TechnoProof<sup>®</sup> WP recommended dosage should be added to the gauging water, a proper mixing should be done from time to time to be sure that TechnoProof<sup>®</sup> WP is distributed on the gauging water. The optimum dosage of TechnoProof<sup>®</sup> WP to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimisation of admixture dosage, mix design and provides a complete assessment of the mix. The normal recommended dosage is 6-7 litres per m<sup>3</sup>.

**Effects of Over Dosage**

Overdosing of TechnoProof<sup>®</sup> WP will increase air entrainment which may cause a reduction in the compressive strength.

**Typical Properties at 25°C**

<b>Form</b>	<b>Viscous liquid</b>
<b>Colour</b>	Pink liquid
<b>Specific Gravity</b>	1.04 ± 0.02
<b>Freezing point</b>	≈ 0°C
<b>Chloride content</b>	Nil - (as per BS 5075)
<b>Toxicity</b>	Non-toxic

**Shelf Life & Storage**

18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C.

**Packaging**

20Kg, 30 Kg, 50Kg & 225 Kg Metal/plastic drums

**Compatibility**

TechnoProof<sup>®</sup> WP can be used with all types of Portland cement and cement replacement materials.

Compatible with most types of Techno Builders Solutions<sup>®</sup> range admixtures used in the same mortar mix. If more than one type of admixture is to be used in mortar mix, they must be added to the mortar separately.

Contact STIPL Technical representative /Department for further details.

**Fire**

TechnoProof<sup>®</sup> WP water based and non-flammable.

**Cleaning and disposal**

Spillages of TechnoProof<sup>®</sup> WP should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

## Health and Safety instructions

TechnoProof® WP is not classified as hazardous material. TechnoProof® WP should not come into contact with skin or eyes. Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended. Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. 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.

**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.

## Precaution & Limitations

- Do not exceed the recommended dosage rate range.
- Do not mix with other additives in same gauging water.
- Do not use in lime based mixes It is the users responsibility to determine suitability for use.
- If in doubt contact \*STIPL Technical Services Department for further advice.

**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.

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