

# TechnoAqua™PW

## Polymeric Waterproofing

TECHNOPOL

مقاوم سازی تکنوپل

Ref: TechnoAqua™PW

### PRODUCT DESCRIPTION

TechnoAqua™PW is a cement-based, polymer-modified and multipurpose waterproofing product. This innovative product combines crystallization and pore-blocking effects with the superior waterproofing capabilities of specialized polymers, fillers, and carefully graded aggregates. It forms a seamless, flexible, and durable barrier using advanced polymer technology, making it ideal for roofs, foundations, basements, and other essential structures. The system adheres exceptionally well to a variety of surfaces and offers resistance to UV light and thermal fluctuations. Its ease of application and low maintenance requirements help extend the lifespan of buildings, thereby reducing repair and reconstruction costs.



Buildings  
Structures



Transportation  
Infrastructure



Water &  
Wastewater



Oil, Gas &  
Industrial



Waterfront  
Structures



Industrial  
Facilities

### PHYSICAL PROPERTIES (Polymeric Waterproofing)

	Unit	TechnoAqua™PW
Density	kg/l	2
Pot Life	min	Approx. 60 min at +25 °C
Color	-	White and Grey
Ambient Air Temperature	°C	5-40
Layer Thickness	mm	1-2 mm per coat
Waiting Time /Overcoating	hours	3 hours at 30 °C

### TECHNICAL DATA

Feature	Unit	Amount
Tensile Strength in Flexure	N/mm2	~9.6
Compressive Strength	N/mm2	> 30
Tensile Adhesion Strength	N/mm2	~1.5

### ADVANTAGES

- High strength excellent adhesion to applied surfaces
- Outstanding adhesion to all kind of substrates
- Weathering and UV resistant coating in roof application
- Resistance to water
- High solar reflectance index
- Easy to apply
- Non- shrinkage
- Provides crack-bridging properties

### TYPICAL USES

- Waterproofing of foundations
- Waterproofing of bathrooms, terraces and roofs
- Waterproofing of pools
- Retaining walls and bridge structures
- Water and sewage work, such as tanks and manholes
- Industrial areas

### PACKAGING

Polymeric Waterproofing is supplied in 25 kg units.

### INSTALLATION PROCEDURE

#### PREPARATION OF SUBSTRATE

The surface on which the polymeric waterproofing is to be applied must be dry and with sufficient resistance, and also be free of dust, loose particles, grease, etc., and be protected from moisture penetration below. Use suitable mechanical methods such as abrasive blast cleaning, high pressure water jetting, scabbling or needle gunning. New or smooth faced concrete surfaces should be sandblasted. All surfaces must be as true and flat as possible.

#### MIXING METHOD

Pour the total amount of component into suitable clean container and stir the mixture for about 5 minutes with a low-speed mixer.



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It is important to thoroughly stir the mixture near the sides and bottom of the container to achieve uniform dispersion.

Polymeric Waterproofing with a thickness of 1 to 2 mm per coat is applied using a trowel, brush or spray on the floor.

#### LIMITATIONS

- It may be harmful with skin contact
- Do not apply in freezing conditions or during precipitation
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry
- Do not use when air and surface temperatures are below +5°C and above +35°C
- Avoid heavy traffic for 24 hours

#### CAUTION

The use of safety glasses and chemically resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheets (SDS) for detailed information.

#### FAIRST AID

##### *Skin*

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

##### *Eyes*

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

##### *Inhalation*

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.

##### *Ingestion*

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

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