

TechnoCrete™WC

Polymer Modified Repair Mortar Potable Water

TECHNOPOL
مقاوم سازی تکنوپل

PRODUCT DESCRIPTION

TechnoCrete™WC is a high performance, polymer-modified, two-component, fast-setting, non-sag cementitious mortar for repair application where contact with potable water is required.



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

TECHNICAL DATA

	Unit	TechnoCrete™WC
Compressive Strength	MPa	60
Tensile Strength	MPa	3.6
Flexural Strength	MPa	11.5
Working Life	hrs.	1.5-3
Set Time	Min	40-45

ADVANTAGES

- High compressive and flexural strengths
- Bond strength ensures superior adhesion
- Complies for potable water contact
- Compatible with coefficient of thermal expansion of concrete
- Can be applied at 10-50mm in thickness per layer
- Easy to use
- Containing antibacterial minerals.

TYPICAL USES

- On grade, above, and below grade on concrete and mortar
- For structural concrete repairs on vertical and overhead surfaces
- For building facades, soffits, parking structures, industrial plants, walkways, bridges, tunnels, dams and ramps
- TechnoCrete™WC is used for the structural repair of concrete elements where contact with potable water is required.

MIXING

Mix the TechnoCrete™WC liquid (part B) and powder (part A) to obtain a homogenous mix, using a low speed electrical mixer.

PACKAGING

Component: A=25kg bag, B=6 Liter jug

INSTALLATION PROCEDURE

PREPARATION OF SUBSTRATE

Thoroughly clean the surface of any substance that could interfere with the bond of the installation material, including dirt, tar, asphalt, wax, oil, grease, form-release agents, laitance, loose toppings, foreign substances and any other residues. Ensure that painted surfaces are well bonded to the substrate.

Prepare surfaces by mechanical methods to remove any loose or crumbling sections.

Where possible, pressure-wash surfaces for complete removal of all dust residue and wait until all surface water disappears before applying TechnoCrete™WC.

APPLICATION

Apply TechnoCrete™WC repair mortar with a stainless steel trowel or gloved hand, pressing firmly to ensure bonding.

LIMITATIONS

- Minimum application thickness: 10 mm
- Maximum layer thickness: 50 mm
- Concrete deterioration and steel corrosion must be resolved prior to application.



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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