Texochem Industries

TECHNICAL DATASHEET

Texcryl TC-76

General

Texcryl TC-76 is an acrylic emulsion polymer specially designed for modifying cementitious compositions. Cement mortars modified with TEXCRYL TC-76 are hard, tough, and durable compared to unmodified mortars. Texcryl TC-76 modified cement mortars have excellent adhesion to a variety of surfaces such as concrete masonry, brick, wood, and metals.

Typical Properties

Appearance	Milky white emulsion
% Solids	47 ± 0.5%
pH	9.5 – 10.0
Viscosity	160 cPs (max)
Film Test	Clear, free from bits, slight tacky
MFFT	10^0C – 12^0C

Advantages

- Excellent adhesion to a variety of surfaces.
- Superior flexural, compressive, adhesive and impact strength.
- Excellent abrasion resistance.
- Excellent corrosion & water resistance.
- Enhances workability of the mortar.
- Ambient curing.

Applications

Texcryl TC-76 can be used in:

1. Repair of Mortar & Concrete (as Bond Coat)
2. Polymer Cementitious Mortar
3. Polymeric Cementitious Concrete
4. Polymer Seal Coat
5. Waterproofing System

1. *In Repair Mortar & Concrete*

   Use as "Bond Coat." Bond Coat helps in improving adhesion between old and new mortar/concrete. Bond Coat can be prepared in the following manner:

   Texcryl TC-76 : 12.5 Kg
   Cement (OPC) : 50.0 Kg
   Water : To get brushable consistency

2. *In Polymeric Cementitious Mortar*

Texcryl TC-76 is recommended for use in polymer modified mortar. Prepare mortar using the following composition:

Cement (OPC)	:	50 Kg
River Sand/ washed sand/ quartz	:	150 Kg
Texcryl TC-76	:	2 – 4 Kg
Water	:	20 – 25 Kg

Addition of water should be done to attain workable consistency.

Apply above mortar using trowel. The quantity of **Texcryl TC-76** can be further increased as per the job requirement. Similarly, cement-sand ratio could also be changed to 1:2.5 to have higher cement content in the mortar.

3. *In Polymeric Cementitious Concrete*

Texcryl TC-76 is also recommended for use in polymer modified concrete. For columns, beams and slabs requiring more than 50 mm repair cover mortar, the restoration work could be conducted by using polymer modified concrete. The repair concrete should be with suitable mix e.g., 1:1:2 or 1:1.5:3 or 1:2:4. Texcryl TC-76 should be used at 2-20% of cement, depending on specific requirement of the job.

4. *In Polymer Seal Coat*

Polymer Seal Coat using Texcryl TC-76 is recommended for ensuring water tightness and reduction in permeability to gases of repaired structure. Water borne 'Polymer Seal Coat' must be applied on a pre wetted surface. The Polymer Seal Coat could be prepared in the following manner:

Texcryl TC-76	:	25 - 50 Kg
Cement (OPC)	:	50 Kg
Water	:	To get brushable consistency

5. In Waterproofing System

Texcryl TC-76	:	2.5 Kg
Cement (OPC)	:	50 Kg
Water	:	15 Kg

Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. However, we make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and we make no warranties, express or implied, regarding this product or its use, including merchantability and fitness for particular purpose. The manufacturer is not liable for any consequential, incidental, or special damages of any kind. We encourage customers to perform their own tests to confirm performance of the product.

Texochem Industries: A-714 TTC Industrial Area, MIDC, Mahape, Navi Mumbai – 400710.

www.texochem.com