

## ZCROSSCRYL ZC-76

**ZCROSSCRYL ZC-76** is an acrylic emulsion polymer specially designed for modifying cementitious. Cement mortars modified with **ZCROSSCRYL ZC-76** are hard, tough and durable compared with unmodified mortars.

**ZCROSSCRYL ZC-76** modified cement mortars have excellent adhesion to a variety of surfaces such as concrete masonry, brick, wood, metals, etc.

### Typical Properties :

Appearance	: Milky white emulsion.
Solid content	: 47 + 0.5%
pH	: 9.5 - 10.
Viscosity	: 160 cps. Max
Film test	: Clear, free from bits, slightly tacky.
MFFT	: 10 <sup>0</sup> c-12 <sup>0</sup> c

### 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.

### Application :

In repair mortar & concrete  
AS 'BOND COAT'

For improving adhesion between old and new mortar / concrete, application of 'BOND COAT' can be prepared in the following manner.

<b>ZCROSSCRYL ZC-76</b>	: 12.5 Kg.
Cement (OPC)	: 50.0 Kg.
Water	: To get brushable consistency

Note : These suggestions and information are offered in good faith but without guarantee as conditions and methods of use are beyond our control, Hence it is desirable for the prospective customer that they determine the suitability of the products and suggestions before commercial usage.

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## IN POLYMER CEMENTITIOUS MORTAR

**ZCROSSCRYL ZC-76** is recommended for use in polymer modified mortar. Prepare mortar using the following composition.

Cement (OPC)	: 50 kg
River Sand or washed sand or quartz	: 150 kg
<b>ZCROSSCRYL ZC-76</b>	: 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 **ZCROSSCRYL ZC-76** can be further increased as per the requirement of the job. Similarly, cement-sand ratio could also be changed to 1:2.5 to have higher cement content in the mortar.

## IN POLYMERIC CEMENTITIOUS CONCRETE

**ZCROSSCRYL ZC-76**s 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 carried out 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:**ZCROSSCRYL ZC-76** should be used at 2-20% of cement, depending on specific requirement of the job.

## IN POLYMER SEAL COAT

POLYMER SEAL COAT using **ZCROSSCRYL ZC-76** is recommended for ensuring water tightness and reduction in permeability to gases of repaired structure. Water BORNE 'POLYMER SEAL COAT' could be prepared in the following manner and applied by brushing.

Cement (OPC)	: 50 kg
<b>ZCROSSCRYL ZC-76</b>	: 25-50 kg
Water	: To give brush able consistency

The coating should be applied on pre-wetted surface

**ZCROSSCRYL ZC-76** can also be used in waterproofing system

Cement	: 50 kg
<b>ZCROSSCRYL ZC-76</b>	: 2.5 kg
Water	: 15 lit

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## ZCROSSCRYL CLW

**ZCROSSCRYL - CLW** is liquid water proofing compound for plaster, cement mortar & concrete.

### Physical Properties :

Appearance	: Pale brown
Solid content	: 15 + 0.5%
pH	: 9.5 - 10.

### Advantages :

- Makes the mortar / concrete more cohesive.
- Increases durability by increase in impermeability.
- Easily dispersible in concrete/mortar mix.
- Reduce shrinkage cracks in plaster & concrete.
- Does not affect the setting time & strength of concrete.

### Application :

**ZCROSSCRYL - CLW** has excellent waterproofing capability and widely used for waterproofing of floors roof tops, basement, external plastering, bathrooms, water tanks etc.

### Dosage :

200 ml per 50 kg bag cement. Add the compound in the water that is to be mixed with mortar/concrete.

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