



PRODUCT DESCRIPTION

ZURAFLEX is a two component acrylic polymer reinforced cementitious waterproofing membrane coating system which consists of ZURAFLEX powder and ZURAFLEX acrylic emulsion. It requires only the addition of water on site and when mixed in the proper proportions, an easily brushable coating is produced. ZURAFLEX can simply be applied by a stiff brush, or trowel to obtain the desired thickness. ZURAFLEX powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and ZURAFLEX liquid component of blended acrylic co-polymers. The polymer provides exceptional adhesion, toughness and durability.

USES

ZURAFLEX provides a seamless, waterproof coating suitable for use in water tanks, reservoirs, swimming pools, roofs and to ensure water tightness. ZURAFLEX effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases.

ZURAFLEX is designed to re-face and even out variations in concrete and masonry surfaces.

ZURAFLEX effectively seals concrete masonry walls and bridges the shrinkage cracks which are static. ZURAFLEX provides a tough and durable coating which cannot be easily damaged or worn away.

ADVANTAGES

- ▶ Minimum surface preparation needed - Low labour costs
- ▶ Applied directly to the damp concrete and masonry
- ▶ Excellent adhesion - Bonds to porous & non-porous surfaces
- ▶ Non-toxic-ideal for potable water tanks
- ▶ Waterproof - Excellent for damp-proofing basements
- ▶ Breathable-allows transmission of water vapour from interior of building
- ▶ Excellent for concrete roof, leaking brick and masonry walls
- ▶ Good resistance to Carbon dioxide and Chloride ion diffusion

TECHNICAL DATA

Pot life at 20°C at 35°C	1 hour 20 min.
Mixed Density	1.70g/cc. (brushable consistency)
Tensile strength (ASTM D 638)	2 N/mm ² (at 1.5mm thickness)
Colours	Grey and white
Application temperature	Not less than 10°C
Toxicity	Non-toxic
Adhesion to concrete	>1N/mm ²

APPLICATION INSTRUCTIONS

Preparation

All the surfaces which are to receive ZURAFLEX, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion.

Priming

To further improve waterproofing and bonding properties on porous substrates, we recommend ZURASEAL-WP, a penetrating water repelling acrylic primer. ZURASEAL-WP which ensures proper adhesion of all brushable elastomeric membrane when waterproofing is done on porous substrates. It also acts as a bond layer between elastomeric coating and substrate.

The surfaces to be primed must be dried before treating with ZURASEAL-WP.

Mixing

ZURAFLEX polymer, 5kg liquid is poured into a plastic or metal drum. To this 4 litres of clean fresh water is added, for brush application consistency. Then mixing is started with a slow speed drill (350-450 rpm). The powder component, 20kg is added gradually to the liquid avoiding lump formation and mixed for 2-4 minutes. Mix and use. More material should not be mixed than can be used within pot life. Re tempering with water should not be done. Keep on stirring during application.

Mixing Ratio - ZURAFLEX

Components	Indl Pack	Retail Pack
ZURAFLEX Powder	20kgs	4kgs
ZURAFLEX Polymer	5kgs	1kg
Water	4L	1L

For best results moisten the surface before coating with ZURAFLEX. Apply the mixed material using a short, stiff bristle brush preferably 100-150mm width like a paint. Trowel applications can be undertaken as necessary using the correct mixing ratio to obtain satisfactory consistency.

ZURAFLEX shall be applied in two coats to achieve 1mm thickness. The second coat of ZURAFLEX shall applied as soon as the first coat has reached touch dry state.

On hot substrates, i.e., over 40°C surface temperature, a primer coat of mixed ZURAFLEX and water with a slurry like consistency should be applied. Prime only areas that can be coated with ZURAFLEX before the primer dries. Material should not be applied at temperatures below 10°C. It is recommended that for general re-surfacing the total thickness of the applied material be 1 - 2mm.

Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above.

ZURA FLEX

Acrylic polymer reinforced cementitious membrane coating for concrete and masonry surfaces

To further improve elongation at failure and crack-bridging on horizontal surfaces, we recommend sandwich layer of non-woven macro-holed polypropylene fabric on the first coat of freshly laid ZURAFLEX using flat-bladed trowel to make sure that it is perfectly buttered. Apply second coat of ZURAFLEX to cover the fabric and smooth over the surface using flat-bladed trowel.

Average drying time is 4-6 hours at normal temperatures.

Subsequent Finishes

ZURAFLEX provides an aesthetically pleasing surface finish texture depending on the method of application, and does not normally require any further surface finishes.

ZURAFLEX is however compatible with most forms of subsequent coatings.

Cleaning

ZURAFLEX should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

COVERAGE

This depends on the required consistency. The approximate coverage per pack at even consistency (1mm thickness) is as follows :

Consistency : **Brush Application**
Coverage in m² (20kg+5kgs pack) : 14 - 16sqm

Allowances should be made for any possible wastages when estimating.

PACKAGING

Part A ZURAFLEX Powder 20kgs (Industrial Pack).

Part B ZURAFLEX Polymer 5kgs.

SHELF LIFE

The Powder component may be stored for upto 12months when contained in its original sealed packing.

The Liquid component may be conserved for upto 18months when contained in its original sealed packing.

Store ZURAFLEX material in a dry place.

HEALTH & SAFETY

ZURAFLEX system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.

FIRE

ZURAFLEX system is non-flammable

PRECAUTIONS & LIMITATIONS

ZURAFLEX is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Should use a dust mask while handling the powder.

Important: It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, **Prozura Construction Chemicals Pvt. Ltd.** does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



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