



POLYACRYL

An Acrylic Latex and Integral Waterproofer

DESCRIPTION

An Acrylic latex liquid, combining a water-reducing agent to produce dense, waterproof concrete and mortar.

USES

- ❖ For Cement concrete in walls and floors.
- ❖ Precast panels, tanks and reservoirs.
- ❖ Cement mortar, plaster and waterproofing treatments.

ADVANTAGES

- ❖ Reduces amount of mixing water.
- ❖ Increases plastic workability.
- ❖ Allows normal setting and curing.
- ❖ Reduces shrinkages.
- ❖ Promotes increased density.
- ❖ Minimises capillary water movement.
- ❖ Reduces permeability.
- ❖ Promotes high strength, by water reduction
- ❖ Improves cohesiveness.

Flash point	:	Not applicable
Specific Gravity	:	1.1 ± 0.02
Thinning	:	Not Advised
Coverage/ Doses	:	For concrete, i.e. 1 kg per 50 kg of cement
Rate	:	Mortar : 1 kg per 50 kg of cement or cement/lime.
Toxicity	:	Non-toxic

APPLICATION

All concrete and mortar to be waterproofed shall be of sound design and shall be integrally waterproofed by the addition of ACRYL and used in strict accordance with the printed instructions.

Components of Acryl react directly with the free lime released in the hydration process of the portland cement, resulting in highly water repellent substance which is deposited throughout the concrete / cement matrix. The presence of this integral compound resists and reverse the normal tendency of hardened concrete to absorb water by capillary action.

For Concrete

Acryl is added at the rate of 1 kg per 50 kg of cement. The addition may be made direct into the batch mixer. Accurate hand mixing is satisfactory, but in case of large operations such as ready mix batching plant automatic dispensers are recommended.

Acryl disperse rapidly in water and may be premixed with the required amount of mixing water for each batch, if required.

PRECAUTIONS

Use Acryl with other admixtures such as water reducing and air entraining agents after testing slump, strength etc. Avoid contact with eyes.

For Mortar & Plaster

The rate of use for mortar and plaster is 1 kg Acryl for each 50 kg bag cement or cement/lime.

STORAGE

If stored in an unopened container in dry place a shelf life of 12 months could be expected.

TEST RESULTS (AS PER IS : 2645 - 1975)					
Sl. No.	Test Carried Out	Neat Mortar	Mortar + Compound (Using 2% by Wt. of Cement)	IS Requirements	Conformity
1.	Permeability to water %		25	50% (Max)	Yes
2.	Setting time				
	- Initial (Minutes)	130	140	30 (Min.)	Yes
	- Final (Minutes)	190	195	600 (Max.)	Yes
3.	Compressive Strength 3 days (kg/cm ²)	180	183	Not less than 160 kg/cm ² , nor less than 80% of neat mortar	Yes
	7 days (kg/cm ²)	245	255	Not less than 220 kg/cm ² , nor less than 80% for neat mortar	Yes
4.	Chloride content, (in compound), % by wt.	0.02		Not declared	

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. The Division can advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and valuation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

THE STRUCTURAL WATERPROOFING CO.PVT.LTD.

Regd. Office : 21/1 Dover Road Calcutta- 700 019 **Dial :** 2475-2684/5378/9950, **Fax :** 2475- 8240

Calcutta : Plot 38/1, Block-GN, Sector IV &V, Salt Lake City, Calcutta- 700 091

Dial : 2357- 3546/3547 , **Fax:** 2357 3881

Delhi Office : 406, Deepali, 92, Nehru Place, New Delhi - 110 019, **Dial:** 26445680 & 26435432 **Fax:** 26416861

Mumbai Office : 56, Mahavir Centre, Sector -17, Vashi , Navi Mumbai - 400 703, **Dial:** 27893601, **Fax:** 27893571 **E-mail:** swcbom@bom5.vsnl.net.in

Chennai Office : 81, 3rd Floor, A, Sulochana Terrace, 1st Main Road, Gandhi Nagar, Adayar, Chennai-600 020 **Dial.** 24423731 **Fax** 24422476

Bangalore Office : 104, Victoria View, Borewel Road, White Field, Bangalore – 560 066.

Telefax : 080 – 3310112, **Email :** swcbangalore@yahoo.co.in

