

# MIPRO-POL

## ACID/ALKALI/SOLVENT RESISTANT POLYESTER MORTAR

**INTRODUCTION:** MIPRO-POL is a three parts chemical setting epoxy resin base mortar. It exhibits excellent adhesion to acid resistant bricks/tile, concrete, surface. MIPRO-POL is resistant to very wide range of chemicals.

**AREA OF APPLICATION:** Due to very low absorption and very high chemical & physical properties MIPRO-POL can be used for acid resisting brick/tile lining, on floors, drains, reaction & storage vessels, sumps, effluent treatment plants of food/pharmaceuticals, Breweries, Dairies, Water treatment plants etc.

### PHYSICAL PROPERTIES

Color	Offwhite
Mix Ratio by wt. Sol to Pow	1:5
Compressive Strength kg/cm <sup>2</sup>	500
Flexural Strength kg/cm <sup>2</sup>	150
Bond Strength kg/cm <sup>2</sup>	10
Water Absorption	1%
Max. Temp.	90 C
Setting Time	8-10 Hrs.

**METHOD OF APPLICATION:** All mixing tools and pan must be clean, dry. Take appropriate quantity of resin and hardener and mix it thoroughly with suitable means, until you get homogeneous mix. Then add powder slowly in it and start mixing slowly to avoid air trapping. The ratio can vary depending upon ambient temperature and working conditions.

**APPLICATION:** After proper mixing of mortar should be buttered on back and sides of bricks/tiles to be laid. Apply little more mortar and after laying squeeze the excess mortar. If only a joint filling is to be done with MIPRO-POL, be sure that full depth of joints is filled with mortar. There should not be any air pocket in the joints. During & after completion of the installation, area must be kept dry and free from any other materials, traffic, which can affect setting & curing of MIPRO-POL.

**CHEMICAL RESISTANCE:** MIPRO-POL is highly resistant to acids, salts, solvent oil and grease. Performance of MIPRO-POL in the presence of oxidizing chemicals makes it ideal for bedding & jointing material for use in the presence of chlorine and bleaching solutions, nitric and chromic acids. It is used widely in paper & pulp industries and electroplating plants.

**STORAGE & SHELF LIFE:** Always keep resin, catalysts and powder in cool, dry place, away from direct sunlight and moisture. If stored in sealed containers and bags; shelf life of Resin, Harder & Powder will be one year.

**PACKING:** Solution 10 kgs & powder 40 kgs.

**HEALTH & SAFETY:** It is advisable to wear protective wears at the time of use of MIPRO- POL and all other MIPRO brand products. In case of contact with eyes & skin. wash with plenty of water and consult a doctor. Adequate ventilation of working area is recommended.

This information, given in good faith, is based on results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control.

## CHEMIPROTECT ENGINEERS

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