

# MIPRO-P

## ACID RESISTANT PHENOLIC MORTAR

**INTRODUCTION:** This is a two-pack chemical setting Phenolic base mortar. It is being used as bonding material for acid resisting brick masonry construction for protection against corrosive conditions mainly from acids, in more particular, its resistance to Sulfuric acid upto 70 % is very good.

**AREA OF APPLICATION:** MIPRO-P is used for acid resisting brick/tile lining where protection against Sulfuric acid is needed. It is recommended for pickling tank lining, reaction & storage vessels lining, floors, drains lining.

### PHYSICAL PROPERTIES

Color	Black
Mix Ratio by wt. Sol to Powder	1:3
Compressive Strength kg/cm <sup>2</sup>	150
Flexural Strength kg/cm <sup>2</sup>	75
Bond Strength kg/cm <sup>2</sup>	10
Water Absorption	1%
Max. Temp.	150 C
Setting Time In Hours	18-24

**METHOD OF APPLICATION:** MIXING: MIPRO-P is prepared by mixing solution & powder to form a workable mortar. The recommended ratio of mixing is 1 part solution to 3 parts powder by wt. The ratio will vary depending upon ambient temperature and working conditions. Use clean, dry mixing pan. Take-out required quantity of solution and add powder to it, slowly and start mixing until you get smooth paste, free from loose powder. Do not prepare more material, then can be used within 20-30 minutes.

**APPLICATION:** MIPRO-P mortar is buttered on clean, dry bricks or tiles, which, kept at ambient temperature. Apply little more material on center and place to avoid air pocketing while installation. If only joints are to be filled with MIPRO-P, it is essential that full depth be filled with mortar. During & after completion of the lying of bricks or tiles, the area must be kept dry and free from any other materials and traffic, which can affect setting & curing of MIPRO-P.

**CHEMICAL RESISTANCE:** MIPRO-P can provide very good protection against strong mineral acids upto 70 % and oxidizing acids, organic and fatty acids, oil, fats, and many solvents. MIPRO-P "C" 100 % carbon filled mortar is recommended to protect against HF, fluoride salts etc.

**STORAGE & SAFETY** Always keep solution & powder in cool dry place in sealed container and bag, away from direct sunlight, moisture. If stored as above and in sealed container at 20 C, shelf life of solution will be 3 months, and powder 6 months.

**PACKING** Solution: 25 KGS & 225 KGS (net) in good quality MS drums. Powder: 50 kgs (net) in LDPE+HDPE bags.

**HEALTH & SAFETY:** It is advisable to wear protective wears at the time of use of MIPRO-P and all other MIPRO brand products. In case of contact with skin & eyes wash with plant, of water and consult a doctor.

This information, given above 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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