



Sigma Polychem Pvt. Ltd.

POLYMIX-AR®

(ACRYLIC Emulsion cement modified
Moral and concrete bonding Agent)

GENERAL DESCRIPTION

SIGMACHEME'S POLYMIX-AR is a most versatile copolymer dispersion admixtures. For use in multiple purposes related to civil structure.

ADVANTAGE

When used as suggested, it shows following transformed properties.

- 1.] Tensile strength increases by 50-60% after 28 days.
- 2.] flexural strength increases by 60-90% after 28 days.
- 3.] Pull out test increases by 100% after 28 days.
- 4.] Chemical Resistance to mild acids, alkalies, sulphates, carbonation.
- 5.] High adhesion to concrete, brick, steel etc.
- 6.] Its use enhances the durability of civil structure.
- 7.] Its use as a secondary binder in cementitious mixes improves toughness along with tensile and flexural strengths.

Note

The above data are practically collected and checked on various samples of mixture of mixture of 5 kg. of fresh OPC+15 kg. of Quartz Sand + 1 kg. of with relative quantity of water.

Use

Sigmacheme's POLYMIX-AR is the most sought after

- 1.] Rehabilitation and retrofitting of heritage structure.

- 2.] For repairing faulty concrete surface, flooring screeds and interior renderings.
- 3.] Provides durable repairs to spalled concrete flooring beams, columns slabs, foundation etc.
- 4.] Repairing finished concrete elements, artificial stone.
- 5.] For repairing surface damage without adversely affecting the quality element.

APPLICATION GUIDLINES

- 1.] Ensure that all concrete, brick or similar surface are in sound condition and free from any loose dirt, oil, greas, foreign matter, etc. Wash the surface. thoroughly with clean water
 - 2.] Pre wet The surface. Make a homogeneous slurry by mixing cement and SIGMACHEME'S in a ration of 1:1 by weight Apply this slurry as a bonding coat before laying our recommended mix of POLYMIX-AR.
 - 3.] Prepare mix of POLYMIX-AR, cement and Quartz Sand in 1:5:15 parts by weight. Care to taken that sand and cement has to be mixed dry first and required dosage of POLYMIX-AR, And water to be mixed gradually to achieve required consistency.
 - 4.] Ensure that the bonding coat is tacky at the time of laying above recommended mortar. The mortar is now laid in approximate layer of 8mm-10mm each.
- COVERAAGE**
The mortar so prepared i.e. 2kg. covers approximately 10sqft. In 10mm. Thickness.
- SHELF LIFE**
Up to 12 months when kept in cool dry place in tightly sealed containers.

PACKING Available in 1kg., 5kg., 10kg. and 20kg. Packing