

MCRYL AC

POLYMER ADMIXTURE BONDING AGENT FOR CEMENTIOUS SYSTEMS

Meryl AC is a specially formulated acrylic co-polymer for use with cementitious mortar and concrete to improve the mechanical properties such as bonding, workability, flexibility

Impact resistance, etc. it can also be used as a tie coat in combination with cement for increasing the bond between old and new concrete.

PRIMARY USES:

- Patching and leveling old substrates and spalled concretes
- Bonding aid for plaster and renders.
- Waterproofing of building terraces, basements, bathrooms, water retaining structures etc.
- Laying screeds on new or old floors in thin sections.
- Renovation and protection of concrete against corrosion and salt peter.
- Repairing cracks & services in concrete structure.

ADVANTAGES:

- Excellent adhesion to most building materials.
- Resistant to water, mild acids and alkali medium.
- Increase durability and toughness of concrete.
- Resistant to micro organism growth.
- Allows cement mortar/concrete to breathe.
- Suitable for external and internal applications

DOSAGE:

- 2.5-10 ltrs/50 kg cement bag.

COMPATIBILITY:

Meryl AC is compatible with all types of Portland cements, sulphate resisting cement and high alumina cement.

DIRECTION OF USE:

A. concrete repairs:

The area to be patched should be cleaned thoroughly and made sound chiseling off the loose particles to expose sound concrete and also corroded steel bars. clean and rusted steel bars with a wire brush or any other mechanical device. Apply primer coat on all the reinforcements and concrete to be patched by diluting 1 part meryl AC to 3 part water by volume.

When the primer coat is still wet (tacky I.e,after 15 to 20 minutes),apply bond coat by mixing cement Mcryl AC in the ratio of 2:1:1(cement:Mcryl AC:water). After the bond coat has dried (approx 30 mins) start patching work with polymer modified mortar.

To the dry mix of 1 part by volume cement to 3 parts by volume sand/aggregate add 10% to 15% of Mcryl AC by weight of cement diluted with equal volume of water. Mix thoroughly, then add additional water to achieve the desired consistency for troweling.

The applied concrete/mortar to be cured for 72 hours by light spray of water(mist curing) or by moist hessian bags. B. Water Proofing System:

Clean the area to be waterproofed thoroughly and remove all loose materials.The cracks and crevices should be filled with cement slurry containing Mcryl AC 10% by weight of cement.Prepare the bond coat of cement and Mcryl AC by mixing cement to Mcryl AC in the ratio pf 2 kg cement to 1 kg of polymer. Apply the bond coat about 1 mm thick on the prepared surface by 4" soft brush in one direction only.Allow the coating to air dry for about 4 to 6 hours and then apply second coat of the same mix in the direction of right angle to the first coat.Allow the second coat to air dry overnight and then cure for 72 hours by light spray of water or by moist hessian bags.

Then screed concrete can be done to protect these two layers if heavy footfalls are there.

TECHNICAL DATA:

Colour	: White emulsion
Consistency	: Free flowing liquid pH
	: 8 to 10
Sp. Gravity of 25°±2°	: 1.15±0.01
Viscosity	: 18 cps
Application temperature	: above 5°C
Coverage	: 40 to 50 sq. ft/kg for three coats.

Packaging :

1 kg, 5kg,20 kg,50 kg,220 kg

STORAGE:

Minimum shelf life of 18 months in unopened original condition protected from sunlight and temperature extremes.

SAFETY PRECAUTIONS:

Mcryl AC is a water based and non hazardous. However it should not be swallowed or allowed to come in contact with skin and eyes.

MEGHNA RASAYAN PRIVATE LIMITED

(ISO 9001 & 14001 CERTIFIED COMPANY)

E –Mail: meghna.rasayan@gmail.com

WEBSITE: www.meghnarasayan.com