SMARTCARE REPAIR POLYMER



WATER BASED
LEAD FREE*GUARANTEE

Asian Paints Causeway SmartCare Repair Polymer is a high performance modified Styrene-butadiene rubber (SBR) based binder. It is recommended as a bonding agent for concrete/mortar in repair like spalled concrete - floors, beams, slabs as it bonds old and new concrete surfaces strongly with plasters. It can also be used for waterproofing of toilets and bathrooms, small terraces. It also serves as a bond coat for repair patch work.

AREAS OF APPLICATION

- For concrete / mortar repairs : RCC members, spalled concrete, repairing floors, beams and pre-cast slabs.
- As a polymer modified mortar / concrete in old and new constructions
- For waterproofing : Basement side walls, small roof terraces, sunken areas of toilets & bathrooms, lift pits, balconies for Dampness & Efflorescence, Please use APC SmartCare Damp Block 2K
- As a bond coat : For bonding of new concrete to old concrete and in repair patch work
- Floor screeds and toppings : Non - dusting floors

FEATURES & BENEFITS

- Multipurpose : Robust product that is economical, easy to handle and has multiple applications
- Easy to mix : Compatible and faster mixing promoting worker efficiency
- Mortar modifier : Improved flexibility, low water cement ratio and resistance to water penetration
- Bonding : Bonds strongly to concrete, plasters, masonry, cementitious surfaces
- Cracking : Reduces cracking through enhanced mortar flexural strength
- Shrinkage : Reduces drying & againg shrinkage cracks
- Abrasion resistance : Increases wear resistance under rubber - wheeled traffic

DIRECTION FOR USE

1. SURFACE PREPARATION :

- Remove all loose concrete, grease, mould oil or curing compound from concrete surfaces using wire brush, scrubber and suitable solvents (if required)
- Cut the concrete areas using a mechanical tool to a square or rectangular profile to a minimum 10 mm depth at the extreme edges to promote enhanced bond strength.
- Clean the concrete surface for the regions where breaking is an issue. Roughen the surface free of loose dust and particles
- Saturate the surface thoroughly with portable water prior to priming. Make sure to remove any excess of water if present

2. WATERPROOFING COATING :

Use SmartCare Repair Polymer as a solution for repairs and preventive waterproofing solutions only For treating issues of dampness & Efflorescence, Asian Paints Causeway SmartCare Damp Block 2K is recommended.

- 1:2 ratios by weight of APC SC Repair Polymer to cement ratio is maintained for using it as a waterproofing slurry coat.
- Mix for 2 - 3 minutes to avoid air entrapment. Slowly, keep on adding cement to APC SmartCare Repiar Polymer until the required consistency is achieved
- Mechanical stirrers are recommended for efficient mixing
- Apply 2 coats of the mix by brush in a span of 4-6 hours on the prepared concrete substrate
- It is recommended to cover the coating with a protective screed to the desired slope & thickness

3. REPAIR MORTARS & RENDERS :

- A suitable mix ratio for patching repair mortar or render is as follows :
- Mix Design - Cement : Sand in 1 : 3 proportion and add APC SmartCare Repair Polymer 7% by weight of cement and required amount of water

4. BOND COAT :

- For bond coat application mix APC SC Repair Polymer and cement in the ratio of 1:1
- Brush apply 1 or 2 continuous coat of the mix on the prepared concrete substrate
- Ensure to overlay the repair mortar when the bond coat is still tacky. Recoat again if the tackiness is lost

PRODUCT INFORMATION

AVAILABLE PACKS



DOSAGE



- As a waterproofing coating : Mix proportion by weight; 1:2 (SmartCare Repair Polymer: Cement)
- As a mortar modifier : 7% of SmartCare Repair Polymer by weight of cement
- As a bonding agent : Mix proportion by weight; 1:1 (SmartCare Repair Polymer : Cement)

COVERAGE

- As a waterproofing coating : 1.5-2m^2 / Kg in 2 coats
- As a mortar modifier : 3.5 Kg of SmartCare Repair Polymer per 50 Kg of cement
- As a bonding agent 4.5-5m^2 / Kg per coat

TECHNICAL INFORMATION

Type	Modified SBR dispersion
Form	White Liquid
% Solids	40 - 42%
Specific Gravity	1 to 1.1

PRECAUTIONS & LIMITATIONS

- Recommended dosage to be followed to achieve desired results
- When working in hot temperature conditions, extra water may be added to the repair mortar to compensate for the evaporatoin loss & make the mortar workable.
- Surface should be in Saturated surface dry conditions.
- In case of bond coat appliction make sure the repair mortar is overlaid when the surface is tacky. Recoat again if the tackiness is lost.
- Stagnant water should be strictly avoided for application purpose.

SHELF LIFE

- 18 months from the date of manufacture when stored in original un-opened packunder normal conditions

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