

PRODUCT CODE: F0008

SMARTCARE REPAIR POLYMER

SBR LATEX

PRODUCT DESCRIPTION

Asian Paints SmartCare Repair Polymer is a high performance modified Styrene-butadiene rubber (SBR) based binder with Elastomeric Latex Technology. It is recommended as a bonding agent for concrete/mortar in repair like spalled concrete - floors, eaves/sunbreakers/sunsets, 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, eaves/sunbreakers/sunsets
- As a polymer modified mortar/concrete in old and new constructions
- For waterproofing: Basement side walls, small roof terraces, sunken areas of toilets & bathrooms, kitchen sink, eaves/sunbreakers/sunsets & lift pits, balconies. For Dampness & Efflorescence, Please use Asian Paints(AP) SmartCare DampBlock 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





* All Asian Paints products contain no added Lead, Mercury, Arsenic or Chromium from April 2008.

FEATURES & BENEFITS

- Multipurpose: Robust product that is economical, easy to handle and has multiple applications. Solution for damp, bonding, repairing & waterproofing issues
- Easy to mix: Compatible, non-toxic 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 & aging shrinkage cracks
- Abrasion resistance: Increases wear resistance under rubber-wheeled traffic
- Cost-effectiveness: When used as bonding agent, rebound loss is minimum
- Strength: Increases mechanical strength of mortar and hence inhibits cracking
- Water Impermeability: Prevents seepage & dampness
- Durability: Improves surface hardening and provides durability

DIRECTION FOR USE

1. SURFACE PREPARATION:

- Saw cut the concrete areas to a square or rectangular profile to a minimum 10mm 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 SmartCare DampBlock 2k is recommended.

- 1:2 ratios by weight of AP 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 SmartCare Repair 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 AP SC Repair Polymer 7% by weight of cement and required amount of water. Allow 14 days curing time after repair.

4. BOND COAT:

- For bond coat application mix AP 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

PACKAGING



1kg

5kg

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: 15-20 sft/kg in 2 coats
- As a bonding agent: 45-55 sft/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 evaporation loss & make the mortar workable
- Surface should be in saturated surface dry conditions
- In case of bond coat application 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 pack under normal conditions



For enquiries, feedback and complaints,
please call toll-free number **09612003355** or write
to us at weassure.apbl@asianpaints.com