PRODUCT CODE 6796

SMARTCARE REPAIRMAX 200



PRODUCT DESCRIPTION

Asian Paints SmartCare RepairMax 200 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, chajjas, 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, repairingfloors, beams and pre-cast slabs, chajjas
- As a polymer modified mortar/concrete in old and new constructions
- For waterproofing: Basement side walls, small roof terraces, sunken areas of toilets & bathrooms, chajjas& lift pits, balconies For Dampness & Efflorescence, Please use 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

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 & aging 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)
- 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 RepairMax 200 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 RepairMax 200 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 addingcement to SmartCare RepairMax 200 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:

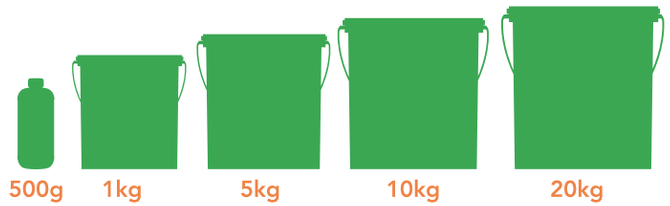
- A suitable mix ratio for patching repair mortar or render is as follows:
- Mix Design - Cement: Sand in 1:3 proportion and add AP SC RepairMax 200 7% by weight of cement and required amount of water

3. BOND COAT:

- For bond coat application mix AP SC RepairMax 200 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



DOSAGE



- As a waterproofing coating: Mix proportion by weight; 1:2 (SmartCare RepairMax 200: Cement)
- As a mortar modifier: 7 % of SmartCare RepairMax 200 by weight of cement
- As a bonding agent: Mix proportion by weight; 1:1 (SmartCare RepairMax 200: Cement)

COVERAGE:

- As a waterproofing coating: 1.5-2 m2/kg in 2 coats
- As a mortar modifier: 3.5 kg of SmartCare RepairMax 200 per 50 kg of cement
- As a bonding agent: 4.5-5 m2/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 packunder normal conditions