PRODUCT CODE 5651

SMARTCARE MULTI-PURPOSE POLYMER LITE



PRODUCT DESCRIPTION

Asian Paints SmartCare ProfessionalMulti-purpose polymeris a high performance acrylic emulsion based binder. It is used for repair of spalled concrete – floors, chajjas, slabs and waterproofing of small terraces as well as sunken portion like toilets & bathrooms etc. It reduces shrinkage, prevents cracking & improves abrasion resistance.

AREAS OF APPLICATION

- For waterproofing: Small roof terraces, sunken portions of toilets & bathrooms, chajja& lift pits, balconies
- For concrete repairs: Spalled concrete of floors, columns, beams, chajja, slabs, parapets, etc
- As a bond coat: For bonding of new concrete to old concrete, plastering

FEATURES & BENEFITS

- Multipurpose: It is multipurpose & economical product
- Easy to mix: The liquid polymer can be directly added to cement as per the recommended mixing ratio
- Excellent Adhesion: Provides excellent adhesion
- Cracking: It prevents cracking by improving flexural strength
- Shrinkage: Reduces drying & aging shrinkage cracks
- Bonding: Bond strongly to concrete, plasters, cementitious surfaces
- Abrasion resistance: Improves abrasion resistance of the cement mix

DIRECTION FOR USE

1. SURFACE PREPARATION:

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents
- Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scrabbling or grit blasting
- The surface should be in SSD condition before application of Professional MPP

2. WATERPROOFING COATING:

- For a waterproofing coating Mix AP SC Professional Multi Purpose Polymer: Cement in the ratio 1:1.5 by volume
- Slowly addcement to SmartCare Professional Multi-Purpose Polymer until the required consistency is achieved.
- Mechanical stirrers are recommended for efficient mixing
- Brush apply 2 coats of the mix 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 cement: Sand in 1:3 proportion and add AP SC Professional MPP up to 5% by weight of cement

4. BONDING PRIMER:

- For a bonding primer coat of SmartCare Multi-purpose Polymer Lite mix MPP Lite: Cement in the ratio 1:1 by volume
- Brush apply 1 continuous coat of the mix on the prepared concrete substrate
- Ensure to overlay the repair mortar when the bond coat is still tacky

Version No. VN14/08/2017. Please note that this datasheet supersedes all previous versions
For Feedback/complaints, write to Marketing Manager Services Asian Paints Limited, 6A, Shantinagar, Santacruz (E), Mumbai 400 055, India

Waterproofing

PRODUCT INFORMATION

PACKAGING



DOSAGE



- As a waterproofing coating: Mix proportion by volume; 1:1.5 (SmartCare Multi-purpose Polymer: Cement)
- As a mortar modifier: 5 % of SmartCare Multi-purpose Polymer by weight of cement
- As a bonding agent: Mix proportion by volume; 1:1 (SmartCare Multi-purpose Polymer: Cement)

COVERAGE:

- As a waterproofing coating: 22 – 25 sq.ft./kg in 2 coats
- As a mortar modifier: 2.5 Lit of SmartCare Multi-purpose Polymer per 50 kg of cement
- As a bonding agent: 45 – 50 sq.ft./kg per coat

TECHNICAL INFORMATION

Type	Acrylic Emulsion
Form	White Liquid
% Solids	40$\pm$1 %
Specific Gravity	1 to 1.05

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 SSD condition

SHELF LIFE:

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

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