

PRODUCT CODE 5457

SmartCare Damp Proof Advanced

Asian Paints SmartCare Damp Proof Advanced is a fiber reinforced elastomeric liquid applied waterproofing membrane. It is formulated with select elastomeric and resilient acrylic polymers and reinforcing synthetic fibers. Upon curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing.

PRODUCT BENEFITS

Waterproofing

Waterproofing protection of up to 7 bars of positive hydrostatic pressure

Crack Bridging

Unmatched crack bridging ability due to elastomeric properties

High Sheen

High sheen, brilliant white colour and thick coat results in high levels of heat reflectance

Adhesion

Strong adhesion to masonry substrates

Surface Temperature Reduction

Provides surface temperature reduction up to 10°C

This property is applicable for terraces

Use & maintenance

Single pack, easy to apply and simple re-coating

Mechanical Strength

Reinforced with synthetic fibers for superior abrasion resistance

Anti carbonation

Damp Proof Advanced system has excellent CO₂ diffusion (carbonation) resistance & prevents the corrosion of rebar within the concrete matrix, leading to superior structural protection

Warranty

10 years Waterproofing warranty on Terraces and up to 10 Years on vertical surfaces (**Warranty years on vertical surfaces will depend upon top coat used, please refer to the warranty booklet for more details)



WATER BASED

asianpaints

LEAD FREE* GUARANTEE

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

**Surface temperature reduction: Temperature recorded from 1 pm to 3 pm with the aid of laser guided infrared non-contact thermometer, degree of surface temperature reduction will vary depending upon the surface & weather conditions

PRODUCT FEATURES

AVAILABLE PACKS



Shelf life: 5 years from date of manufacture in original tightly closed containers away from direct sunlight and excessive heat.

COLOURS AVAILABLE



COVERAGE

RECOMMENDED SYSTEM

On RCC or plaster using brush or roller



Horizontal Surface 0.93 Sq. mtr/ltr

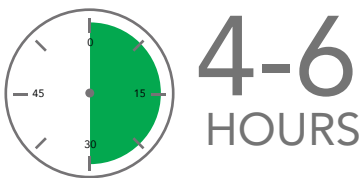


Vertical Surface

Fresh painting: 2.32 sq. mtr/ltr

Re-painting: 2.79-3.25 sq. mtr/ltr

DRYING TIME TO TOUCH



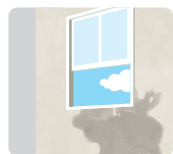
RECOMMENDED USAGE



Can be used for building roofs, terraces, parapets, sunshades and exterior vertical walls. It can also be applied on existing IPS, sound brick-bat coba or cementitious waterproofing.

HOW TO APPLY

PRE PAINTING STEPS



PLASTER

New masonry surfaces must be allowed to cure completely. It is recommended to allow 28 days as the curing time for new masonry surfaces. The roof must have a positive slope/ drainage system to avoid water ponding at places.



CLEANING

Surface should be free from any loose paint, dust or grease. Remove all existing bitumen coatings completely. It is recommended to use Intense wire brushing, High speed water jet and a vacuum cleaner for thorough cleaning of the surface to avoid "Peeling off" problems.



REPAIRING

The substrate must be checked for its soundness using a small hammer. All cracks at corner joints, channels and parapets should be properly treated.



FILLING FOR CRACKS

For filling cracks up to 3mm use Asian Paints Crack Seal. Bigger cracks, damaged portions and hollow areas must be repaired with polymer modified cement mortars.

APPLICATION PROCESS

APPLICATION

HORIZONTAL SURFACE

STEP 1

SELF PRIMING
SMARTCARE DAMP PROOF ADVANCED
BRUSH

CODE

5457

THINNER

WATER

DILUTION %

33%

APPLICATION VISCOSITY*

N/A

RECOATING PERIOD

4 - 6 HRS

STEP 2

FIRST COAT WATERPROOFING
SMARTCARE DAMP PROOF ADVANCED
BRUSH/ROLLER

5457

N/A

N/A

N/A

4 - 6 HRS

STEP 3

SECOND COAT WATERPROOFING
SMARTCARE DAMP PROOF ADVANCED
BRUSH/ROLLER

5457

N/A

N/A

N/A

4 - 6 HRS

VERTICAL SURFACE

STEP 1

SELF PRIMING
SMARTCARE DAMP PROOF ADVANCED
BRUSH

5457

WATER

33%

N/A

4 - 6 HRS

STEP 2

FIRST COAT WATERPROOFING
SMARTCARE DAMP PROOF ADVANCED
BRUSH/ROLLER

5457

N/A

N/A

N/A

4 - 6 HRS

STEP 3

FIRST COAT
APEX / ULTIMA
BRUSH/ROLLER

0068

WATER

40%

N/A

4 - 6 HRS

STEP 4

SECOND COAT
APEX / ULTIMA
BRUSH/ROLLER

0068

WATER

40%

N/A

4 - 6 HRS

1. As measured through a Ford cup. 2. Apply an additional coat of Damp Proof Advanced in case of severe dampness. 3. For best results, strictly follow the dilution and forced coverage requirements.

ADDITIONAL INFORMATION

POST PAINTING CARE

For the best performance of the paint, ensure proper washing and cleaning of all algal and fungal growth, if any, at regular intervals of six months.

PRECAUTIONS

- › Repair the hallow surface area before applying SmartCare Damp Proof Advanced coat.
- › For miscellaneous surface like tiling, smooth and glossy cementitious surface, product should be used with Asian Paints SmartCare Terrace Tile primer.
- › For horizontal surfaces, use Asian Paints SmartCare Joints Tapes at all joints & corners for better reinforcement.
- › For oily, existing failure coating surface, carry patch tests to check adhesion of product to substrate.
- › The forced coverage leads to long term performance hence it is recommended to ensure coverage as per datasheet only.
- › Do not apply during rain or extreme temperatures.
- › Not recommended for rainwater harvesting purpose.
- › Avoid abuses that may lead to puncturing of membrane.
- › Ensure that the product is applied at least 6 inches inside the drain pipe.
- › For best results, apply coating on parapet walls as well.

TECHNICAL DETAILS

- a. **Form:** Ready to use viscous liquid
- b. **Mix Density:** 1.26
- c. **Application Temperature:** 5°C to 35°C

SAFETY FEATURES

- › Kindly refer to the MSDS for Asian Paints SmartCare Damp Proof Advanced which gives detailed information on safety measures while handling the paint, which is available on request.
- › Store the container with the lid tightly closed in an upright position, in a cool and dry place.
- › Keep out of reach of children and away from eatables.
- › May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- › Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- › In case of skin contact immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- › Do not breathe vapour or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- › Do not pour leftover paint down the drain or in water courses.
- › In the event of spills, contain spillage using sand or earth.
- › No added Lead, Mercury or Chromium compounds.

TECHNICAL DATA

| | Performance Characteristics as per ASTM standards | Coverage [sq.ft./L] | Values For SmartCare Damp Proof Advanced |
|---|---|---------------------|--|
| 1 | Pull off Adhesion strength [ASTM D 4541] Dry concrete | 10 | Minimum 1.5 MPa (S/F) MPa |
| 2 | Tensile strength [ASTM D 2370/98: 14 days] | 10 30 | 1.5±0.15 Mpa 1.8± 0.18 Mpa |
| 3 | %Elongation [ASTM D 2370/98: 14 days] | 10 30 | 380 ± 10% (Horizontal) 220± 10% (Vertical) |
| 4 | Crack Bridging Ability [ASNZ 4548, 14 days] | 10 30 | 3.5 ± 0.35 mm for Horizontal 1.25 ± 0.125 mm for Vertical |
| 5 | Water vapour permeability [EN ISO 7783] | 10 | 4.1 g/m ² /day |
| 6 | % Solids [ASTM C 1250] | - | 54 to 60% @ 120° C/1 hr |
| 7 | Overcoating time interval | - | 4-6 Hrs @ 30° C |
| 8 | Weight per liter/Specific Gravity - IS 101 | - | 1.19 to 1.32 @ 30° C |
| 9 | Temperature reduction [In house method] | 10 | Upto 10° C |

These value ranges have been observed in controlled lab test conditions.