

PRODUCT CODE 5457

SmartCare Damp Proof Superflex

Asian Paints SmartCare Damp Proof Superflex 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 8 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

Elongation

Higher elongation upto 25%

**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

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 Superflex 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

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

White



COVERAGE

RECOMMENDED SYSTEM

On RCC or plaster using brush or roller



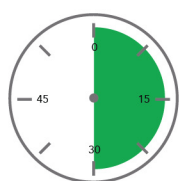
Horizontal Surface 0.93 Sq. mtr/ltr



Vertical Surface

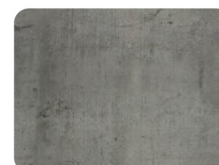
Fresh painting: 2.32-2.79 sq. mtr/ltr
Re-painting: 2.79-3.25 sq. mtr/ltr

DRYING TIME TO TOUCH



4-6 HOURS

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 SUPERFLEX
BRUSH

STEP 2

FIRST COAT WATERPROOFING
SMARTCARE DAMP PROOF SUPERFLEX
BRUSH/ROLLER

STEP 3

SECOND COAT WATERPROOFING
SMARTCARE DAMP PROOF SUPERFLEX
BRUSH/ROLLER

VERTICAL SURFACE

STEP 1

SELF PRIMING
SMARTCARE DAMP PROOF SUPERFLEX
BRUSH

STEP 2

FIRST COAT WATERPROOFING
SMARTCARE DAMP PROOF SUPERFLEX
BRUSH/ROLLER

STEP 3

FIRST COAT
APEX / ULTIMA
BRUSH/ROLLER

STEP 4

SECOND COAT
APEX / ULTIMA
BRUSH/ROLLER

CODE

THINNER

DILUTION %

APPLICATION VISCOSITY*

RECOATING PERIOD

5457	WATER	33%	N/A	4 - 6 HRS
5457	N/A	N/A	N/A	4 - 6 HRS
5457	N/A	N/A	N/A	4 - 6 HRS
5457	WATER	33%	N/A	4 - 6 HRS
5457	N/A	N/A	N/A	4 - 6 HRS
0068	WATER	40%	N/A	4 - 6 HRS
0068	WATER	40%	N/A	4 - 6 HRS

1. As measured through a Ford cup. 2. Apply an additional coat of Damp Proof Superflex 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 hollow surface area before applying SmartCare Damp Proof Superflex 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

SAFETY FEATURES

- Kindly refer to the MSDS for Asian Paints SmartCare Damp Proof Superflex 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

Sr.No.	Performance Characteristics	Test Method	Coverage (Sq.ft/lit)	Values For SmartCare Damp Proof Superflex
1	Weight per liter/Specific Gravity	IS 101	-	1.19 - 1.32 @ 30° C
2	%Solids(ASTM C 1250)	ASTM C 1250	-	54-60 % @ 120° C/1Hr
3	Pull off Adhesion Strength,Dry M25 concrete	ASTM D 4541	10	Min 1.5 Mpa (S/F)
4	Tensile Strength(14 days)	ASTM D 2370/98	10	Min 1.5 Mpa
	Tensile Strength (14 days)	ASTM D 2370/98	30	Min 1.8 Mpa
5	% Elongation (14 days)	ASTM D 2370/98	10	Min 350%
	% Elongation (14 days)	ASTM D 2370/98	30	Min 220
6	Crack Bridging Ability (14 days)	AS/NZ-4548	10	Min 3.5 mm
	Crack Bridging Ability (14 days)	-	30	Min 1.25 mm
7	Water Vapour Transmission	ASTM E 96/2022	10	4.1 g/Sq.m/day
8	Surface Temperature Reduction	In-house	30	Upto 10° C
9	Application Temperature	-	-	5 - 35° C

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