

PRODUCT CODE 5698

SmartCare Damp Proof UltraCool PU

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



WATER BASED

asianpaints
LEAD FREE*GUARANTEE

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

PRODUCT BENEFITS

Waterproofing

Resists positive hydrostatic pressure of up to 10 bars

Crack-bridging

unmatched crack bridging ability due to elastomeric properties

Surface Temperature Reduction

Provides surface temperature reduction up to 15° C
This property is applicable for terraces

Special Additive

Reinforced with fibers to improve mechanical properties and abrasion resistance

Adhesion

Excellent adhesion to substrates like concrete and masonry

Durability

Excellent resistance to water, UV rays and ageing

Anti-fungal and Anti-algal

Excellent anti-fungal and anti-algal properties

Excellent Anti-Carbonation

Acts as an effective barrier against carbon dioxide thus prolonging the life of the structure

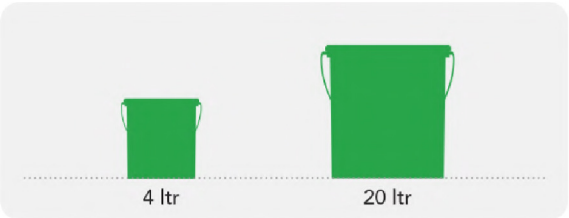
Warranty

15 years Waterproofing warranty on Terraces and Vertical Surfaces (Needs to be top coated)

**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

On RCC or plaster using brush or roller



Horizontal Surface
0.93 sq.mtr/liter

Vertical Surface
Fresh painting: 2.32 sq.mtr/liter
RE-painting: 2.79 - 3.25 sq.mtr/liter

DRYING TIME TO TOUCH



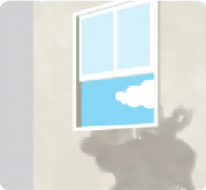
RECOMMENDED USAGE



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

HOW TO APPLY

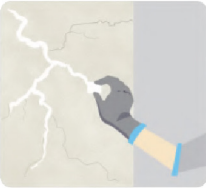
PRE PAINTING STEPS



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 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 vacuum cleaner for thorough cleaning of the surface to avoid “Peeling off” problems.



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



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

APPLICATION PROCESS

APPLICATION	CODE	THINNER	DILUTION %	APPLICATION VISCOSITY*	RECOATING PERIOD
HORIZONTAL SURFACE					
STEP 1 SELF PRIMING SMARTCARE DAMP PROOF ULTRACOOOL PU BRUSH	5698	WATER	30%	N/A	4 - 6 HRS
STEP 2 FIRST COAT WATERPROOFING SMARTCARE DAMP PROOF ULTRACOOOL PU BRUSH/ROLLER	5698	N/A	N/A	N/A	4 - 6 HRS
STEP 3 SECOND COAT WATERPROOFING SMARTCARE DAMP PROOF ULTRACOOOL PU BRUSH/ROLLER	5698	N/A	N/A	N/A	4 - 6 HRS
VERTICAL SURFACE					
STEP 1 SELF PRIMING SMARTCARE DAMP PROOF ULTRACOOOL PU BRUSH	5698	WATER	30%	N/A	4 - 6 HRS
STEP 2 FIRST COAT WATERPROOFING SMARTCARE DAMP PROOF ULTRACOOOL PU BRUSH/ROLLER	5698	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 UltraCool PU 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 Damp Proof UltraCool PU 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 rains or extreme temperatures.
- Not recommended for rain water harvesting purpose.
- Avoid abuses which 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.

SAFETY FEATURES

- Kindly refer to the MSDS for Asian Paints SmartCare Damp Proof UltraCool PU 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, 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 DETAILS

Sr.No.	Performance Characteristics	Test Method	Coverage (Sq.ft/lit)	Value of Smartcare Damp Proof UltraCool PU
1	Appearance	-	-	Ready to use Viscous liquid
2	Weight per liter/Specific Gravity	IS 101	-	1.1 - 1.2 @ 30° C
3	%Solids(ASTM C 1250)	ASTM C 1250	-	48.5 to 54.5 % @ 120° C/1Hr
4	Overcoating time interval	-	-	4 - 6 Hrs @ 30° C
5	Pull off Adhesion Strength,Dry M25 concrete	ASTM D 4541	10	Min 1.5 Mpa (S/F)
6	Tensile Strength(14 days)	ASTM D 2370/98	10	Min 1.4 Mpa
	Tensile Strength (14 days)	ASTM D 2370/98	30	Min 1.6 Mpa
7	% Elongation (14 days)	ASTM D 2370/98	10	Min 400% (Horizontal)
	% Elongation (14 days)	ASTM D 2370/98	30	Min 240 (Vertical)
8	Crack Bridging Ability (14 days)	AS/NZ-4548	10	Min 4 mm
	Crack Bridging Ability (14 days)	-	30	Min 1.5 mm
9	Water permeability	BS EN 12390, part 8 :2000	10	Passes 10 Bars
10	Solar Reflectance Index	ASTM E 1980	10	110
11	Water Vapour Transmission	ASTM E 96/2022	0.93	4.1 g/Sq.m/day
12	Surface Temperature Reduction	In-house	10	Upto 15° C
13	Application Temperature	-	-	5 - 35° C