

Product code - 5638

SmartCare Professional Damp Block 2K

Asian Paints SmartCare Professional Damp Block 2K is a two-component, acrylic-polymer modified cementitious coating customized for positive side waterproofing. The product is ideal for waterproofing sunken slabs, terraces, horizontal slabs and other wet areas.



PRODUCT BENEFITS

Water Proofing

Resists up to 5 bars of positive hydrostatic pressure

Elongation

Highly elastic film which provides elongation up to 80%

Anti-Carbonation

It protects concrete against carbonation

Seamless Coat

Forms a seamless coat without any joints

Adhesion

Excellent bond strength with cementitious substrates

PRODUCT FEATURES

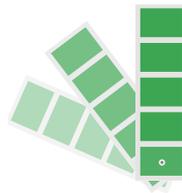
AVAILABLE PACKS



Shelf life: 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place.

APPEARANCE

Free flowing
grainy Grey
Powder



YIELD



RECOMMENDED USAGE

Masonry surface: Cementitious slabs subject to damage from moisture

Waterproofing of sunken areas: Bathrooms, toilets, balconies etc.

WATERPROOFING COAT FOR CEMENTITIOUS TERRACES

APPLICATION PROCESS

APPLICATION PROCEDURE

- STEP 1** **TESTING & GROUTING:** Masonry surface under treatment should be fully cured prior to application. Fill the slab with water and check the water tightness. Mark the leaking points and treat them with cement injection grout mixed with non-shrink grouting additive.
- STEP 2** **CLEANING:** Clean the surface thoroughly using a wire brush/hand grinder to ensure that the surface is free from loose particles, mortar & latencies.
- STEP 3** **CORE CUT OUT/BORE PACKING:** All the core cut outs/bore must be treated with cementitious grouts/non-shrink grouts. The periphery of the PVC pipes/ rain water pipes should be sealed with SmartCare Hybrid PU sealant after grout is set. All kinds of cracks, damaged portions and honey combs should be repaired with cementitious Repair mortar or polymer modified mortar (Polymer:Cement:Sand :: 0.2:1:4)
- STEP 4** **PRE WETTING:** Pre wet the surface adequately to make it SSD
- STEP 5** **MIXING:** Add powder to liquid (2 parts powder & 1 part liquid by wt.) slowly while stirring. For bulk volume use mechanical stirrer. Mix entire quantity until a smooth homogeneous slurry without lumps is achieved. To release entrapped air during mixing process, keep slurry undisturbed for 5-6 minutes.
- STEP 6** **APPLICATION:** Apply 1st coat of SmartCare Professional Damp Block 2K slurry mixture by brush or roller over the horizontal surface and take it all over the parapet wall to as form a complete envelope coat. Let the coat dry for 4-6 hrs and apply the second coat perpendicular to the first coat.
- STEP 7** **COVERAGE:** The forced coverage should be Approx. 1.5 Kg/ Sqm. in 2 coats. If required the coating can be reinforced by embedding glass/polyester mess.
- STEP 8** **CURING:** Cure the coating by sprinkling water for 3-5 days.
- STEP 9** **PERFORM:** Water ponding test post curing.
- STEP 10** **PROTECTION AND SLOPE BUILT UP:** The coating has to be protected by Brick bat coba or screed concrete admixed with Vitalia. Proper slope has to be built in this layer of Coba or screed. Also the vertical coating must be covered with Vitalia. If the size of the terrace is more than 1500 sq. ft., a geo textile sheet (min. 80 gsm) should be loosely laid before the coba/screed concrete is placed.

WATERPROOFING COAT FOR SUNKEN AREAS

APPLICATION PROCESS

APPLICATION	PROCEDURE
STEP 1	TESTING & GROUTING: Masonry surface under treatment should be fully cured prior to application. Fill the sunken slab with water and check the water tightness. Mark the leaking points and treat them with cement injection grout (Use SmartCare Injection Grout Additive for Cement).
STEP 2	CLEANING: Clean the surface thoroughly using a wire brush/hand grinder to ensure that the surface is free from loose particles, mortar & latencies.
STEP 3	COVING: Treat the fillet/L-shaped joint using SmartCare Repair Mortar by preparing cove of 30mm x 30mm.
STEP 4	CORE CUT OUT OR BORE PACKING: All the core cut outs or bores must be treated with SmartCare General Purpose Grout. The periphery of the PVC pipes should be sealed with SmartCare Hybrid PU sealant after grout is set. All kinds of cracks, damaged portions and honeycombs should be repaired with SmartCare Repair Mortar.
STEP 5	MIXING: Add powder to liquid (2 parts powder & 1 part liquid by wt.) slowly while stirring. For bulk volume a use mechanical stirrer. Mix entire quantity until a smooth homogeneous slurry without lumps is achieved. To release the air entrapped during mixing process, keep slurry undisturbed for 5-6 minutes.
STEP 6	SURFACE PREPARATION: Pre-wet the surface adequately to make it SSD. If the surface is porous, apply a coat of SmartCare Acrylic Bonding Agent mixed with cement in the ratio of 1:1 by vol.
STEP 7	APPLICATION: Apply 1st coat of SmartCare Professional Damp Block 2K slurry mixture by brush or roller on the floor as well as on the wall (over the bricks) up to a height of 300 mm above the final floor level or up to splash zone height. Let the coat dry for 4-6 hrs (drying depends on ambient temperature) and apply the second coat perpendicular to the first coat.
STEP 8	FORCED COVERAGE: 1.5Kg/sqm.
STEP 9	PERFORM: Water ponding test post curing.
STEP 10	SUNK FILL AND SLOPE BUILT UP: Sunken area must be filled using brickbat coba or screed concrete with a min. thickness of 20-25 mm, admixed with SmartCare Vitalia.

Note: Proper slope must be built in this layer of coba/screed. Coating done on the vertical surface should be covered with cement plaster admixed with SmartCare Vitalia. Cure the screed concrete for 5-7 days and post that tile application can be done.

ADDITIONAL INFORMATION

PRECAUTIONS

- > Do not add water to SmartCare Professional Damp Block 2K during mixing/application
- > At least 3 to 5 days curing is required.
- > Always add powder to polymer, to ensure the mixture is free of lumps.
- > Do not cure by flooding with water or conduct any ponding test before it gets completely cured.
- > In case of fresh concrete/masonry substrate – the surface must be cured for 28 days before application.
- > Overlaying of cementitious screed/plaster must be done within 24 to 48 hrs.

SAFETY FEATURES

- > Kindly refer to the MSDS for Asian Paints SmartCare Professional Damp Block 2K which gives detailed information on safety measures.
- > 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

Properties	Specification	Results
Mix ratio (Powder : Liquid), parts by weight		2:1
Surface Dry time, minutes	ASTM D 1640	45
Recoatability time, Hrs		4 – 6
Cure time after 2nd coat, days		3 – 5
Positive Hydrostatic Pressure	DIN 1048	Resist up to 5 Bar Pressure
Negative Hydrostatic Pressure		Resist upto 4 Bar Pressure
Elongation at break, %	ASTM D 412	80%
Adhesion strength, MPa	ASTM D 4541	1.21
Crack Bridging	ASTM D 4548.5	No cracking up to 1.2 mm
Reduction of rapid chloride	ASTM C 1202	70
Water Vapor Permeance, Perms	ASTM E 96	0.3
Tensile Strength (Mpa)	1.08	ASTM D 4370