

AMITEK SMART DUO SHIELD PRO DAMPROOF

PRODUCT DESCRIPTION

Amitek Smart Duo Shield Pro Damproof is a liquid applied seamless waterproofing solution to protect your structures from water ingress. Amitek Smart Duo Shield Pro Damproof is an acrylic based elastomeric waterproof membrane coating. Amitek Smart Duo Shield Pro Damproof provides excellent flexibility that prevents Peeling, provides Weathering resistance and UV Resistance and prevents Water seepage.

PROPERTIES:

- High build coating.
- Excellent elongation.
- Crack bridging capacity.
- Excellent Breathability.
- Can be applied on damp surfaces.
- Excellent alkali resistance.
- Resistance to chalking & flaking.
- UV resistant for outstanding durability.
- Excellent water resistance.
- Anti-fungal & anti-algal resistance.
- Adaptable to all weather conditions.
- Reinforcement for High Tensile strength and Tear Resistance.
- Can be applied on any profile without additional mechanical fixing.
- Good abrasion resistance and suitable for foot traffic.
- Available in attractive shades.

AREAS OF APPLICATION:

Amitek Smart Duo Shield Pro Damproof can be applied on

- Roofs and Terraces of buildings-Flat & sloping.
- Over existing cementitious waterproof treatments like brick-bat coba, concrete screed, bituminous coatings and acrylic coatings.
- Reinforced Cement Fibre Sheets.
- China mosaic tiles.
- New/ Existing Concrete surfaces.
- Metal Roofs.
- Wet areas.

RESTRICTIONS:

- Avoid application below 5°C and above 35°C
- Avoid application in foggy conditions

COLOUR:

Available in RAL shades.

APPLICATION INSTRUCTIONS

New Concrete Surface: Cement concrete surface should be free from dust and loose particles. Loose particles should be removed by washing or blowing air. Apply Amitek Smart Duo Shield Damproof Primer Coat at a spread rate of 0.2-0.25 kg/m²/coat depending on the porosity of the concrete. Allow 2-4 hrs. to dry, if possible wait 24 hours before application.

Existing/old Concrete Surface: Remove all loosely adhered coatings & other contaminants like algae or fungus. Fill existing cracks with Amitek Crack Filler (Acrylic Sealant) paintable sealant. Apply Amitek Smart Duo Shield Damproof Primer Coat at a spread rate of 0.2-0.25 kg/m²/coat depending on the porosity of the concrete.

Application of Amitek Smart Duo Shield Pro Damproof: It can be applied by roller or brush. Apply first coat at a spread rate of 0.6-0.65 kg/m²/coat. Immediately roll out 50-60 GSM non-woven polyester fabric and remove any air in the layers with the help of rollers. Allow to dry for 6-8 hours (overnight). Apply 2ndcoat at a spread rate of 0.5-0.55 kg/m²/coat. Allow to dry for 6-8 hours (overnight). Apply 3rd coat at a spread rate of 0.35-0.4 kg/m²/coat and sprinkle silica if further overlaying (cementing, tiling, etc.) is required.

TECHNICAL DATA:

Method of Application	Brush or Roller
Nature	Single Component
Drying Time	30-60 min (Surface Dry), 6-8 hrs Tack FreeDry, 24 hrs Hard Dry
Re-coating Period	Min 6-8 hrs (Overnight)
Coverage – Primer Coat	0.2-0.25 kg/m²
Multiple Coats	1.2 - 1.5 kg/m² (depending on the porosity of surface)
Adhesion on concrete	Excellent
Solid Content	72-73%
Elongation with fabric reinforcement	>85%
Elongation without fabric reinforcement	>200%
Roof slope	S1 – S4 (<5 to >30)%
Tensile strength with fabric reinforcement	>8.5 N/mm²
Tensile strength without fabric reinforcement	>1.4N/mm²
Pull off adhesion strength	1.13 MPa
Water vapour permeability with fabric	1.0 (g/h/m²)
Water vapour permeability without fabric	0.61 (g/h/m²)

PACKAGING

Amitek Smart Duo Shield Pro Damproof
25 kgs
10 kgs
5 kgs

STORAGE LIFE

12 months in original unopened package stored in cool dry place out of direct sunlight.

CONSUMPTION

1st Coat: 0.6 – 0.65 kg/m²
2nd Coat: 0.5 – 0.55 kg/m²
3rd Coat: 0.35 – 0.40 kg/m²

HEALTH AND SAFETY

No particular hazard with this product but please consult the Material Safety Data Sheets.

DISCLAIMER:

The information above is believed to be accurate & represents the best information currently available to us.However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and from contact. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way, Amitek Infra will be liable for any claims, losses, or damages of any third party or for lost any special, indirect, incidental, consequential or exemplary charge, however arising, even Amitek Infra has been advised of the possibility of such damages.

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