

SmartCare Damp Block 2K 500 is a Two Component Polymer – Modified High Performance Cementitious Waterproofing

DESCRIPTION AND USES

- This product can be used for positive side waterproofing due to its excellent bonding, good waterproofing and unmatched resistance to positive hydrostatic pressure.
- Waterproofing: Resists up to 1 bars of positive hydrostatic pressure.
- Seamless Coat: Forms a seamless coat without any joints.
- Adhesion: Excellent bond strength with cementitious substrates.
- Usage: Easy to apply.
- Drinking Water Compliance: This product is complaint to drinking water specification ES 190.

PRODUCT PROPERTIES

Features	Standards	Results
Color		Gray
Coverage		3.5 – 3.8 Kg/m ² for 2 coats
Mix ratio (Powder : Liquid) parts by weight		4 : 1
Surface Dry time (Minutes)	ASTM D 1640	45
Recoat ability time (Hours)		4 – 6
Cure time after 2nd coat, days		3 – 5
Time required to ensure complete drying after the second coat (days)		7
Positive Hydrostatic Pressure	DIN 1048	Resist up to 1 bar pressure
Adhesion strength, MPa	ASTM D 4541	2.0
Density after Mixing		2.2
Elongation	ASTM D 2370	2.3%
Tensile strength	ASTM D 2370	5.9 N/mm ²

INSTRUCTIONS FOR USE

1. Surface preparation:

- Surface under treatment should be strong enough, clean and free from oil or loose materials.
- Masonry surface should be fully cured prior to application. In case of efflorescence, cement plaster should be removed from the affected areas up till the brick level.
- Surface cracks up – to 3 mm must be filled with suitable crack filler. Bigger cracks, damaged portions and hollow areas must be repaired with polymer modified cement mortars.
- Prior to application the surface must be in Saturated Surface Dry (SSD) condition.

2. Mixing:

- Add powder to liquid (4 –parts powder & 1 –part liquid by weight) slowly while stirring.
- In case of bulk volume use mechanical stirrer.
- Mix the entire quantity until a smooth homogeneous slurry without lump is achieved.
- Keep the slurry undisturbed for 5 – 6 minutes to release entrapped air during mixing.

3. Application Process:

- Apply **SmartCare Damp Block 2K 500** slurry by brush or roller over SSD masonry/brick surface.
 - Mixing ratio 4 : 1
 - Allow the 1 st coat to dry for 4 – 6 hrs (drying depends on ambient temperature) and then apply 2nd coat
 - The 1 st coat & 2nd coat must be applied in perpendicular direction for better results
 - Achieve a coverage of 3.5 – 3.8 kg/m² for 2 coat
 - If the application is being done on bricks, overlay of cementitious screed within 24 to 48 hrs. For screeding use SmartCare Repair Bond Polymer or Bond Latex as an integral waterproofing compound
 - It is essential to cure Smart Care Damp Block 2K 500 / overlay screed for a minimum of 3 to 5 days to ensure full cement hydration.
- #### 4. Post Application Care:
- After 48 Hrs or appropriate drying of **Smart Care Damp Block 2K 500** Cementitious Waterproofing, coat with Interior/Exterior coating.
 - **Smart Care Damp Block 2K** Cementitious Waterproofing shall not be left exposed directly to the environment

APPLICATION TOOLS



PACKAGING

25Kg “20 Kg Powder” & 5Kg “Liquid”

STORAGE AND SHELF LIFE

12 months from the date of manufacture.
Store in a cool shaded dry area.

SAFETY PRECAUTIONS

- Please refer to material safety data sheet (MSDS) before using the product.
- Please revert to technical office for application advice.
- For alternative systems may be specified, depending on area of use.