weberdry 1K flexshield

weberdry 1K flexshield not only have high-flexible property but also high adhesive strength. It can be covering the crack on the flexible surface. It can be left exposed or tilling on top.

- HIGHLY FLEXIBLE
- STOP LEAKAGE
- WATERPROOF ON EXISTING TILES
- UV RESISTANT

weberdry 1K flexshield is 1 component high-flexible waterproofing cementitious based. Can be left exposed with weather and UV resistance. It can resistance both positive and negative water pressure thus this product is suitable for any wet area in home including bath room, kitchen room, flat root, balcony, roof deck, swimming pools, portable water tank, roof, basement, underground area, green roof for root resistance, and any area where would to waterproofing.

- **Packaging:** Bucket 1 kg and, 4 kg. Bag 20 kg.
- **Color:** Grey (Cement color)
- **Coverage:** Average 0.5-0.7 m^2/ 1 kg. bucket
  Average 2.0-2.7 m^2/ 4 kg. bucket
  Average 10.0-13.3 m^2/ 20 kg. bag
- **Applications:**

Substrate preparation

1. Substrate should be sound, level, clean without any oil and dirt.
2. Make good any unsound areas before the application of weberdry 1K flexshield by weberep repair mortar. For new render or creed, it should be fully cured at the rate of 7 days per 1 c.m. thickness before the application.
3. Dampen the surface with clean water until reaching its saturated point before applying weberdry 1K flexshield.

Mixing

1. Mixing weberdry 1K flexshield in cleaned water with between the ration 3.5 : 1.0 by volume to 6.5 : 2.0 by volume.
2. Using slow-speed electric mixer to mix or gradually mix by hand until obtaining homogeneous lump-free paste.
3. Leave for 3 – 4 minutes for chemical curing before using.

Waterproofing

weberdry 1K flexshield can apply by trowel, brush and/or rolling depend on the mixing ratio of water.

1. Use trowel/ appropriate brush/ roller to apply weberdry 1K flexshield on the area at the average consumption about 0.75 - 1.00 kg/m2 for 1st layer. Make sure of overall covering.
2. Leave the area for 2 – 3 hours to reach initial set, the duration depends also on weather conditions.
3. Applying 2nd layer of weberdry 1K flexshield vertically at the consumption of 0.75 – 1 k.g./m2. Total thickness should be 1-2 mm. (If the recommended thickness cannot be obtained, render first the mortar and then use the brush to ensure suitable roughness and bubble-free surface.)
4. weberdry 1K flexshield is suitable to use together with webertape BE 14 for waterproofing the corner between floor and wall and, weberdry fleece PE 60 for increasing adhesion strength and duration and, webertape fibermesh 5 or webertape fiber mesh 100 for increasing adhesion strength in risk areas.

Application area

weberdry 1K flexshield is suitable for application of render and brush and rolling. It is use to waterproof for any wet area in home including bath room, kitchen room, flat root, balcony, roof deck, swimming pools, portable water tank, roof, basement, underground area, green roof for root resistance, and any area where would to waterproofing.

SHELF LIFE AND STORAGE

One year after manufacturing date when stored unopened in dry and ventilated place. Store airtight in dry and ventilated conditions if remained in opened bag.

Technical Data

Items	Testing Conditions	Standard	Level of requirements	Results
1	Water pressure (+) 1.5 bar for 7 days	EN 14891-A.7	No penetration (≤ 20 g)	0
2	Water pressure (+/-) 1.5 bar for 7 days	DIN 1048	Pass of requirement	Pass
3	Water absorption	ASTM C 642	≤ 5% of after water immersion ≤ 10% of after water immersion and boiling	1.25 3.98
4	Water absorption by Karsten pipe -In door Water absorption by Karsten pipe -Out door	EN 1323 – 5.3 EN 1323 – 5.3	≤ 0.3 ml after 24 h ≤ 0.3 ml after 24 h	0 0
5	Crack bridging	EN 14891-A.8.2	≥ 0.75 mm	0.88
6	Bond to concrete	EN 1015-12	≥ 1.0 MPa	1.24
7	Initial adhesion strength	EN14891-A.6.2	≥ 0.5 N/mm^2	1.36
8	Adhesion strength after water immersion	EN14891-A.6.3	≥ 0.5 N/mm^2	1.36
9	Adhesion strength after heat aging	EN14891-A.6.5	≥ 0.5 N/mm^2	1.49
10	Adhesion strength after contact with chlorinated water	EN14891-A.6.7	≥ 0.5 N/mm^2	1.31
11	Elongation at break	ASTM D412	≥ 10%	19.32
12	Initial adhesion strength (Tile on tile condition)	EN14891	≥ 0.5 N/mm^2	0.82

weber SAINT-GOBAIN