



weber Waterseal 321



Two component flexible cementitious waterproofing membrane for cementitious surfaces



Product description

weberdry Waterseal 321 is a polymer modified cement based 2-component elastomeric waterproof coating applied before tiling in bathrooms, swimming pools, water tanks, terraces, balconies, non-acidic drainage culverts or any other wet area. It can be applied on concrete and masonry surface and has been designed with good crack bridging abilities even after long term water immersion. This also prevents the reinforcements/rebars from corrosion.

Typical application

- As under-tiling waterproofing material in all buildings; especially in wet areas like balconies, bathrooms, toilets and kitchen sinks.
- As waterproofing coating for potable water tanks.
- Swimming pools.
- Waterproofing of chajjas, canopies etc.
- Waterproofing of terraces having single span slab upto 1200 sq ft.

Features and benefits

- Suitable for contact with potable water.
- Resists positive hydrostatic pressure upto 5 bar.
- Excellent crack bridging even in contact with water.
- Excellent adhesion to sound, prepared substrates and does not require bonding agents.
- Permeable to water vapor, allows the substrate to breathe.
- Resistant to abrasion.
- Reduces carbonation and electrochemical corrosion.
- Environmentally friendly: Non-toxic and chloride-free.
- Easy to apply.

Performance parameters

Colour	Grey
Pot life @ 30°C	Min. 45 mins
Adhesion to concrete	> 1 MPa
Water permeability @ 5 bar as per DIN 1048	Passes
Toxicity test as per IS 6582	Non toxic
Tensile strength as per ASTM D638	> 0.4 MPa
Static crack accommodation	Up to 1 mm
Elongation at break at DFT of 1 mm	45% minimum

Application method

Surface preparation

- Substrate should be sound, levelled and clean without any bond inhibiting substance, like dust, dirt, grease, oil, laitance or loose particles.
- In case of oil, grease or fungus on substrate, concrete must be water-blasted or etched with mutaric acid solution
- Loosely held dust must be thoroughly removed with wire brush.
- If any structural related issues are noticed, same to be attended before waterproofing.
- Cracks up to 1 mm must be suitably opened and filled with weberwall Crackbond. Thick cracks should be repaired with mortar modified with webertec SBR.
- All honeycombs must be widened, corners must be saw cut and filled with mortar modified with webertec SBR or using a non shrink gout like webertec NSG 2. Corners can also be reinforced using webertape Stickon or weberdry PUR Fabric 65 affixed using Part B of weber Waterseal 321.
- Wash the surface with potable water to remove any residual dust on the surface.

Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weathers.

Product preparation

- Mix Part B manually and pour the entire contents (5 kg of Part B) in bucket.
- Add 1 - 1.5 liters water and stir uniformly using a low-speed mechanical mixer.
- Gradually add all the contents of Part A (15 kg) under continuous stirring. Mix for 2 minutes until a homogeneous lump free consistency is achieved.

Application

- Apply weber Waterseal 321 on entire surface using a stiff brush, roller or a trowel.
- Wait for atleast 2-4 hours for the first coat to dry.
- Apply second coat of weber Waterseal 321, perpendicular to the first coat.
- Sprinkle coarse sand of wet weber Waterseal 321 for better adhesion with plaster, screed of tile adhesive.
- Allow the coat to dry for 7 days, before applying any subsequent coat or subjecting it for ponding test.
- Tiles can be fixed directly of weber Waterseal 321 using suitable Weber tile adhesive.
- Before application the product must be in Saturated surface dry (SSD) condition. This ensures product is easy to apply, has better coverage and enhanced bond strength with concrete substrate.
- Vertical surfaces can be plastered using weberwall Premium plaster @ 12-18 mm thickness.

Limitations and precautions

- Consume the material with 60 minutes of mixing of material. Do not add excess water to extend pot life of material in any case.
- Do not ever add any foreign materials.
- Plasters on weber Waterseal 321 must not be more than 12-18 mm thickness and must be admixed with webertec MixiL.
- A protective coat like tiling / screeding should be applied on weber Waterseal 321 . where substrates may be subject to mechanical impacts.
- For wet areas like bathrooms, kitchen sinks weber Waterseal 321 can be applied at 1 mm thickness. For areas subjected to moderate and heavy hydrostatic pressure, minimum 2 mm thick coating of weber Waterseal 321 is recommended with tiles, plaster or screed above.

Cleaning

All equipment, application tools must be cleaned with clean water immediately after use.

Coverage

Approximately 12-13 sq mt per 20 kg pack of weber Waterseal 321 applied in 2 coats depending up on the porosity and level of surface.

Packing

Part A : Grey Powder : 15 kg

Part B : Milky white liquid : 5 kg

Shelf life

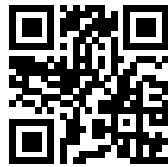
Shelf life is 12 months from the month of manufacturing if stored in original and unopened packaging in a cool & dry place away from direct sunlight.

Health & safety

- Wash skin with soap & water. Remove contaminated clothes.
- Immediately splash eyes with plenty of water. Consult Physician if irritation persists.



FDS / SDS / DoP
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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