



weber waterseal 221



Self-priming cementitious waterproofing membrane for concrete and masonry substrates



Product Description

weber waterseal 221 is an acrylic polymer modified cement based 2-component semi rigid under-tile waterproofing coat. It is applied on mother slab / concrete surface before tiling in bathrooms, water tanks, swimming pools, small terraces, balconies, drainage culverts, ETP tanks. It can be applied on concrete and masonry surface and has been designed with good crack bridging abilities. This coat also prevents the reinforcements/ rebars from corrosion.

Typical application

- As under-tiling waterproofing in wet areas like bathrooms, toilets, balconies, and kitchen sinks.
- As waterproofing coating for potable water storage tanks.
- Waterproofing of chajjas, canopies.
- Swimming pools.
- Waterproofing of terraces upto 1500 sq ft.

Features and benefits

- Self priming material.
- Suitable for contact with potable water.
- Resists upto 5 bar positive side hydrostatic pressure .
- Excellent adhesion to sound, prepared cementitious substrates.
- Permeable to water vapor, allows the substrate to breathe.
- Excellent abrasion resistance.
- Reduces carbonation and electrochemical corrosion.
- Environmentally friendly: Non-toxic and chloride-free.
- Easy to apply.

Method of application

Surface preparation

- Substrate should be sound, levelled, and clean without any bonding issue inhibiting substance, like dust, dirt, grease, oil, laitance or loose particles.
- Loosely held dust must be thoroughly removed with wire brush or any other appropriate tools.
- 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 Crack bond. wider cracks with crack width more than 1 mm should be repaired with Polymerized mortar modified with webertec SBR.
- All honeycombs must be widened, corners must be saw cut and filled with Polymerized mortar modified with Webertec SBR or using a non shrink gout like Webertec NSG 2. Wall to wall joints must be reinforced using Webertape Stick-on tape affixed using Part B of Weber Waterseal 221.
- Wash the surface with potable water to remove any residual dust on the surface.
- 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.

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 in bucket.

- Gradually add all the contents of Part A under continuous stirring. Mix for 2 minutes until a homogeneous and lump free consistency is achieved.
- Let the mixed material stand for 4-5 minutes and then apply the material.

Application

- Apply weber Waterseal 221 on entire surface using a stiff 4-inch brush or trowel.
- Wait for atleast 3-4 hours between 2 coats.
- Apply second coat of Weber Waterseal 221, perpendicular to the first coat.
- For water containment structures like overhead water tanks, sewerage tanks, swimming pools additional coat of weber Waterseal 221 may be required.
- Sprinkle coarse quartz sand of 0.3-0.8 mm grain size while final coat of Weber Waterseal 221 is wet. This is essential for better adhesion with plaster, screed of tile adhesive.
- Allow coat of Weber Waterseal 221 to dry for 4-5 days, before subjecting to ponding or applying any subsequent plaster / tiles.
- For plastering on vertical substrates, application of bond coat of Webertec SBR Litx, cement and water mixed in ratio 1 : 1.5 : 0.5 by weight
- Tiles can be fixed directly of Weber Waterseal 221 using suitable Weber tile adhesive.

Limitations and precautions

- Consume the material within 60 minutes after mixing the 2 components in prescribed mix ratios. Do not add water to extend pot life of material in any case.
- Do not ever add any foreign materials to extend workability which may hamper the performance of the product.

- Plasters on Weber Waterseal 221 must not be more than 15 mm thickness and must be admixed with webertec MixiL
- A protective coat like tiling / screeding should be applied on weber Waterseal 221 . where substrates may be subject to mechanical impacts.
- For wet areas like bathrooms, kitchen sinks Weber Waterseal 221 can be applied at 1 mm thickness.
- For areas subjected to moderate and heavy hydrostatic pressure, like swimming pools, water storage tanks minimum 2 mm thick coating of Weber Waterseal 221 is recommended with tiles, plaster, or screed above.

Performance parameters

Colour	Grey
Pot Life @ 30°C	60 mins
Surface dry	40 mins
Over-coating interval	4 hours @ 30°C
Adhesion to Concrete	> 1 MPa
Water Permeability @ 5 bar	Passes
Toxicity test	Non toxic
Tensile strength	~ 0.75 MPa
Static crack accommodation	Up to 1 mm
Elongation at break at DFT of 1 mm	> 55%

Cleaning

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

Coverage

Approximately 1.65 - 1.8 kg/ sq mt of weber Waterseal 221 applied in 2 coats depending up on the porosity and level of surface.

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.

Packaging

3 kg, 15 kg and 60 kg packs.

Health & Safety

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

Disclaimer

The user should determine the usability of the product for its intended use. Our products are manufactured under the Saint-Gobain quality standards and subjected to strict quality and control procedures. Since the company has no control over site conditions and the installation procedures, the company would not be responsible under any circumstances for any loss, damage, or liability from incorrect usage.



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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