

AB TOP SEAL 119



FLEXIBLE CEMENTITIOUS WATERPROOFING MEMBRANE

PRODUCT DESCRIPTION

Obaproof AB Top Seal 119 is a two-component polymer modified liquid applied flexible cementitious waterproof coating. The two components are simply mixed together to create a workable consistency for easy application. It has superior adhesion to many substrates, including concrete and cement render.

KEY FEATURES

- Flexible and accommodate movements
- Good adhesion to sound substrates
- Applicable to damp substrate
- Abrasion Resistant
- Paintable with elastic paint
- Can be tiled over
- Non-toxic

RECOMMENDED USES

- Watertank, Waste water treatment plants
- Bathrooms, Balconies, Terraces
- Swimming Pools, Pool Decks
- Water-features, Ponds
- Retaining Walls, Planter Boxes, R.C. Gutters
- Outdoor Deckings

SUBSTRATE PREPARATION

All substrates shall be sound, clean and free of dust, excess mortar, oil or other loose particles. Cracks, honeycombs and other defects must be repaired using suitable cement mortar.

For excessively dry substrate, dampen the substrate and keep it continuously moist for 1 to 2 hours before application. Remove all excess water or standing water and allow the surface to become almost dry to provide an SSD (Saturated Surface Dry) condition before applying the waterproofing coating.

Form	Part A - White Milky Liquid Part B - Green Powder
Binder	Cement
Extender	Selected Fine Silica
Polymer	Acrylic Polymer
Tensile Strength	> 1.5N/mm ²
Adhesion to concrete	> 0.9N/mm ²
Elongation at break	>150%
Crack Bridging	No cracking at 2mm width 0.043
Hardness Shore A	>70
Resistance to water penetration at 0.2 kgf/cm ² for 6 hours	No Penetration
Toxicity	Non toxic
Pot Life	30 minutes
Set to touch (at 20°C)	Within 2 hours
Final set (at 20°C)	24 hours



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APPLICATION INSTRUCTION

PRIMING

For excessively dry and porous substrate, prime the entire surface with Obaproof multi prime prior application of the waterproofing coating with the rate of 5m² per liter depending of the substrate condition.

MIXING

Mixing ratio of 2 part powder to 1 part of liquid by weight. Mix in a clean container by slowly adding the powder component to the liquid component whilst stirring using a slow speed heavy-duty electric mixer with a suitable paddle. Mix until homogeneous slurry is obtained and make sure that no unmixed powder is left at the bottom of the container. Small amounts may be hand-mixed separately.

PLACING

The mixed Obaproof AB Top Seal 119 can be applied onto the prepared substrate using a bristle brush or roller. Place the material well onto the substrate to achieve full bond. The application of Obaproof AB Top Seal 119 waterproofing coating shall be done in minimum of two (2) layers, the first layer in one direction and the second layer in a direction perpendicular to the first coat. Apply the subsequent layers after 3-6 hours curing of the previous coat. Minimum 2 layers at approximately 1.0kg/m² per layer. For areas subject to high water infiltration, apply a third layer at 1.0kg/m². Allow at least 24 hours curing of the finished coat (subject to 23°C and 50% relative humidity) before laying screed or tilling. Water test can be conducted after the same duration.

RECOMMENDED COVERAGE

1. Ground moisture, bathrooms, balconies - 2kg/m², 2 layers at 1.0kg/m²/layer.
2. Hydrostatic Pressure areas, water tanks, swimming pools - 3kg/m², 2 layers at 1.5kg/m²/layer.

Note : Do not apply more than 2kg/m² of Obaproof AB Top Seal 119 in a single layer.

CURING

Special curing methods are generally not required but some precautions should be taken from rapid drying for application directly under sunlight and windy conditions. Curing of Obaproof AB Top Seal 119 shall be at least 24 hours before trafficking to yield optimum strength.

PACKAGING

Obaproof AB Top Seal 119 is packed in 30 kgs set.
Part A : White liquid, 10 kgs.
Part B : Green powder, 20 kgs.

CLEAN UP

All tools, equipments and surrounding areas can be cleaned with clean water before the product sets. Hardened material has to be mechanically removed.

STORAGE AND SHELF LIFE

Store all materials in a cool dry place, in an elevated condition. Obaproof AB Top Seal 119 has a shelf life of 12 months from date of manufacturing if store properly in original unopened packaging.

HEALTH AND SAFETY

Suitable protection clothing, dust masks, gloves and eye protection should be worn. Continual or extended contact with cement products can cause skin irritation. If skin irritation occurs, flush skin with water for a minimum of 15 minutes. If irritation still persist, consult medical advises.

LIMITED WARRANTY

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advise offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Obaproof be liable to anyone except for replacement of the products or refund of the purchase price.

