



MIXSEAL 230

ELASTOMERIC WATERPROOFING MEMBRANE CEMENT-POLYMER BASE

Update: 06/2023

Product description:

Mixseal 230 - Flexible cementitious waterproofing membrane is a 2 component waterproofing system consisting of a special polymer and pre blended filler powder.

Recommended For:

- Waterproofing for wet areas ex. bathroom, kitchen, balcony, corridor, roof, planter box...
- Waterproofing inside water containment structures ex. RC tank, pool, pond...
- Waterproofing outside basement structures ex basement wall, foundation, underground tanks...
- Waterproofing for bridge structures, irrigation structures;
- As a prevent moisture and humidity layer.

Advantages:

- Factory pre-blended two component system easy to use and quality control at site;
- Liquid apply, no joints. Easy to application in the corner and edge;
- No primer required, can be applied to damp substrate;
- High-performance waterproofing coating;
- Elastomeric – able to bridge cracks;
- Non-toxic, approved for use in RC water tanks allowed for human consumption.

Technical Data:

Specification	Standard	Value
Waterproofing	BS EN 14891	Pass
Adhesion Strength	BS EN 14891	>0.8 MPa
Crack Bridging	BS EN 14891	> 1.0 mm
Elongation @ Break	ASTM D412	180%
Tensile Strength	ASTM D412	>1.0 MPa
Dry time (tack-free)		> 1 hours

Package:

	Liquid/Part A	Powder/Part B
Package 40 kg	15 kg	25 kg
Package 12 kg	4.5 kg	7.5 kg

Coverage:

- Coverage: 0.75 - 1.0 kg/m²;
- Apply at least 2 layers, unless otherwise specified by manufacturer. In some case reinforced by glass fiber or polyester grid.

Surface preparation:

- The substrate must be sound, clean and monolithic. Cement laitance, mildew, oil, grease etc. must be removed;
- Honey-combs, voids, rough surfaces, exposed rebars and cracks shall be leveled with non-shrink grout or filler mortar;
- In some cases: used compound (Mixseal Latex, cement, sand) to fill edge or like a primer layer (*reference Mixseal Latex – product data sheet*).

Application:

- Pour Mixseal 230 Liquid Polymer (*Part A*) into a container of adequate size and slowly add the powder component (*Part B*) and mix until a smooth consistency which is free from lumps;
- Control the viscosity of the mixture by adjusted volume of liquid (*Part A*);
- The surface must be pre-wetted but no wet sheen on the surface;
- 1st Layer: Apply with a paint roller/brush and allow the membrane to become touch-dry before commencing second coat;
- 2nd Layer: Apply perpendicular to the first coat. 3th Layer or another layer: similar. Use a paint brush to sweep angles, edges, gaps, etc so that the surface of the waterproofing is covered and continuous..
- Surface temperature/Air temperature: about 5°C - 40°C
- Water ponding test may be conducted after the membrane cured (Cured time: toilet, balcony, kitchen... at least 24 hours, water tank, pool and vertical at least 7 days before use);
- Prevent prolonged UV exposure on the membrane. A protective screed is recommended over trafficable areas while a UV resistant paint will be sufficient for inaccessible exposed areas.

Safety & health:

- Mixseal 230 is cementitious base and contains alkaline, might cause dermatitis;
- Avoid direct contact with skin, wear suitable protections (gloves, goggles ...) while manipulating;
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

Storage and self life:

- Storage in a cool and dry space, not wet;
- Self life: 12 moth (paper bag), 24 months (plastic container) when unopened, undamaged original packaging.



Note: Mixseal warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to Mixseal shall be limited to replacement of the material proven to be defective, and Mixseal shall in no case be liable otherwise or for incidental or consequential damages. Mixseal makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith..