

CEMTEC SEALFLEX

Elastomeric Cementitious Waterproof Coating.

DESCRIPTION

CEMTEC SEALFLEX is a pre-packed two component polymer modified cementitious coating, which can be easily mixed at the site using drill, fitted with paddle and can be applied using brush, trowel or roller. This waterproofing coating cures to form elastomeric waterproofing membrane with excellent adhesion to the concrete surfaces.

BASIC USES:

CEMTEC SEALFLEX is a flexible cementitious coating for waterproofing, water retaining structures like potable water tanks, reservoirs, canals, culverts etc. It is suitable for use in foundations and basements..

CEMTEC SEALFLEX can be used on the substrate where cyclic thermal movement is observed. It can be used on concrete, bricks and blockwork substrates. It can accommodate the cracks within the permissible limits as recommended in BS.8007:1987.

ADVANTAGES:

- Withstands high positive and negative hydrostatic pressures.
- Excellent crack bridging capacity.
- Excellent bonding to substrate such as concrete, masonry etc
- Adequate working life.
- Can be applied by brush, trowel.
- Very good bonding to the damp concrete
- Impermeable to acidic gases and sulphates.
- Breathable.

COLOUR:

Available in **Grey** and **White** colours.

PHYSICAL PROPERTIES:

On mixing the polymer and powder, **CEMTEC SEALFLEX** has the following properties:

Pot life at 20° C.	> 2 hours
Pot life at 35° C.	> 1 hour
Mixed Density	> 1800 kg/m ³
Minimum application temperature	> 5° C.

After curing for 28 days, applied in two coats at a thickness of 1mm wft each, it offers :

- Excellent resistance to positive water pressure.
- Very good resistance to negative water pressure.
- Very good crack accommodation properties.
- Good abrasion resistance.
- Impermeable to chloride ions and CO₂.

PACKING & YIELD:

CEMTEC SEALFLEX is supplied in 20 kgs powder and 10 kgs of liquid. On mixing both powder and liquid, it covers 16 m² per coat at 1mm wet film thickness.

DIRECTIONS FOR USE

Surface Preparation:

The surface which are going to be coated with **CEMTEC SEALFLEX** shall be free from oil, laitance, grease, dirt etc. This can be achieved manually or by mechanical means using high pressure water jet, grit / sand blasting. Surfaces with pot holes, cracks etc. can be repaired using **CEMTEC SEALFLEX** in mortar consistency.

Mixing

The liquid polymer (10 kg) taken in a container of 25 liters capacity can be added with powder slowly. This has to be mixed mechanically by using drill fitted with peddle. The mixing shall be done for a minimum of 3 minutes and maximum of 5 minutes to achieve homogenous consistency.

Application

The substrate shall be pre-wetted prior to the application of coating. Substrate with more porosity will require more wetting than the denser substrates.. Excess water shall be removed by sponge. In case of seepage, it shall be arrested using AQUAPLUG.

When the substrate is damp, the coating shall be applied by brush (6"width) or trowel to achieve a wet film thickness of 1mm per coat and should be well brushed into the surface.

The first coat shall be allowed to cure for 4 to 5 hours at 30° C. and second coat shall be applied in right angle to the first coat. The second coat shall be in one direction for a neat appearance. Pre-wetting the substrate is not required when applying

the second coat.

Shelf life of **CEMTEC SEALFLEX** is 12 months in unopened pack, stored below 35° C. in a good warehouse conditions.

LIMITATIONS:

CEMTEC SEALFLEX cannot be applied for external surfaces where aesthetic appearance is **critical** as the difference in dry / cure rate may cause slight colour difference.

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.