



KEM BRUSH 88



Flexible Waterproofing Slurry

2 - Pack Acrylic Waterproofing

DESCRIPTION:

KEM BRUSH 88 is a high performance, two-component elastomeric cementitious waterproof coating for concrete, slabs and masonry. It also acts as surface protection for reinforced concrete. Designed for waterproofing hydraulic projects, it is a specialty treatment coat for internal and external waterproofing.

PRODUCT FEATURES:

- ◊ Is an excellent impermeable coating, forms flexible cementitious membrane
- ◊ Excellent adhesion with all cementitious substrates
- ◊ Highly durable and economical
- ◊ Flexible cement bound slurry for minor crack bridging sealing in concrete and plasters
- ◊ Used as surface protection for reinforced concrete
- ◊ Can be applied on both sides of water pressure
- ◊ Tools and equipments can be washed easily with water
- ◊ Available in brushable consistency
- ◊ Allows water vapour to escape from the substrate
- ◊ Non-toxic, non-hazardous and non-flammable hence suitable for water tanks
- ◊ Suitable for all any type of weather conditions including UV resistant
- ◊ Surface preparation is very minimum and hence low labour cost Protects against acid gases, chloride ions, oxygen and water

PRODUCT SPECIFICATIONS:

- | | |
|---|---|
| ◊ Nature | : Two components |
| ◊ Appearance | : Grey powder and white liquid |
| ◊ Mixing Ratio | : Powder : liquid = 1.5:1 (by weight) |
| ◊ Consistency After Mixing | : Brushable |
| ◊ Pot Life at 30°C | : 30-50 minutes |
| ◊ Application Temperature | : Between 10°C to 30°C |
| ◊ Tensile Strength (N/mm ²) | : 0.5 N/mm ² (at 23°C); (6 N/mm ² at -20°C) |
| ◊ Elongation (%) | : 100 (at 23°C); 20% (at -20°C) |
| ◊ Water Vapour Permeability | : 15 g/m ² at 1mm thickness on an aerated concrete substrate |
| ◊ Co ₂ Diffusion | : Equivalent air thickness Rb ≈ 100m (Substrate - Cement Mortar) |
| ◊ Adhesion to Concrete | : Excellent |

NOTE: All above mentioned properties are typical and should not be construed as a specification. Additionally these properties have to be tested after 28 days air cure of films at 25°C and 50% RH.

AREAS OF APPLICATIONS:

- ◊ Bathrooms and Toilets
- ◊ Water tanks
- ◊ Basements
- ◊ Channels
- ◊ Faces of dam walls



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- ◊ Swimming pools
- ◊ Basins
- ◊ Storage tanks
- ◊ Balconies and terraces
- ◊ Concrete structures like pillars and beams for road and railway bridges
- ◊ Cooling towers
- ◊ Underpasses
- ◊ Water retaining walls

METHOD OF APPLICATION:

- ◊ Strip off any old treatment on the mother slab.
- ◊ Ensure the surface to be treated is sound and thoroughly clean. Check that the mother slab is free of cracks.
- ◊ Remove all cement laitance, flaky parts and traces of powder, grease, oil and remove compounds with vacuum, sand blasting or wash with high pressure water.
- ◊ Thoroughly wet the application area with water. Check for any standing water. The area should be wet yet dry to touch.
- ◊ In the case of waterproofing terraces, balconies and swimming pools check and seal the plastic shrinkage cracks with KEM CRACKFILL 51. Any existing cracks of more than 0.2mm width must first be chiseled out and filled with cement mortar. Ensure all the edges are cut off to less than 45° or chamfer the width to 4 cm.
- ◊ Add the powder component to the liquid i.e. add Part A component to Part B in the ratio 1.5:1
- ◊ Mix both the components in a slow speed mixer at 100 - 200 RPM till a brushable consistency is achieved.
- ◊ While mixing check for lumps and crush if any have formed.
- ◊ Apply the mixture with the help of a brush on the prepared surface.
- ◊ Do not add water in the mixture.
- ◊ Apply the second coat after 5 hrs so as to achieve 1mm coating thickness in two coats.
- ◊ To achieve thickness of 1.5 - 2mm polypropylene fibre must be used between two coats of KEM BRUSH 88.
- ◊ Cure time of 16 hours between coats. Whilst there is no need for a curing aid, it is important that applied surface is allowed to cure on its own for at least 7 days at 30°C and above 14 days at 20°C or below. Any testing (if required) should be carried out after the curing period.

Note : If KEM BRUSH 88 is used in tanking situations it is preferable to wash down the surface with water after the curing period and then put into use.

PRECAUTIONS:

Consume the mixed material within 30 mins., at 30° C.



Mfd by: Chembond Chemicals Limited

Marketed by: Chembond Distribution Limited,
Chembond Centre, EL-71, MIDC Mahape,
Navi Mumbai - 400 710

For feedback call (022) 3921 3000 or
email to feedback@buildsys.co.in

Website: www.chembondconschem.com

The information, based on our current level of knowledge, is given in good faith. It relates to the usage of CHEMBOND products when properly stored, handled and applied. Users are advised to carry out trials prior to full scale usage. No assumptions should be made as to a product's suitability for a particular use or application. Users acknowledge this and agree to accept CHEMBOND's technical advice only as a guideline.



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USAGE GUIDELINES:

For terraces:

- After curing, protect the treated area with cement sand mortar screed of 25 mm thickness with brick bat coba, tiles etc.

For sunken slabs/toilets and bathrooms:

- In horizontal applications screed of 10 - 15mm thickness with 1:3 should be laid over KEM BRUSH 88.
- This gives protection for other activities like plumbing and sanitary works.
- In vertical applications use KEM PROOF 75 over a dry KEM BRUSH 88 film coat. Plastering work should start when the KEM PROOF 75 coat is in tacky state.

For swimming pools (internal application):

- Before applying KEM BRUSH 88, the RCC walls and the base slab of swimming pools must be thoroughly cured for 28 days. All the cold joints must be checked and properly treated.
- Once the KEM BRUSH 88 coat has been applied, start tiling work after 72 hrs of proper air curing. Use KEM TILE range of tile adhesive products for excellent results .

For water tanks (internal application):

- Before applying KEM BRUSH 88, the RCC walls and the base slab of swimming pools must be thoroughly cured for 28 days. All the cold joints must be checked and properly treated.
- After the application of KEM BRUSH 88 coat, protect the coats of KEM BRUSH 88 with cement sand screed / mortar premixed with KEM PROOF 77 for excellent results.

COVERAGE:

45 - 50 sq.ft / 2.5 kg / Coat

Coverage depends on roughness and porosity of the surface.

PACKAGING:

2.5 kg

STORAGE:

Away from direct sunlight

SHELF LIFE:

12 months from manufacture



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TECHNICAL SERVICE:

Chembond has established itself in various fields on the basis of its dependable technical service. We maintain a well-equipped laboratory for research and quality assurance of all our products. Our experienced personnel are always on call and readily available for product demonstrations and product performance monitoring. For queries, call 022 3921 3000 or email to feedback@buildsys.co.in

WATERPROOFING



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