

CEMFIN 2K

Multipurpose Two Part Elastomeric Waterproofing System

DESCRIPTION

CEMFIN 2K is 2 parts polymer modified flexible cementitious waterproofing membrane coating specially formulated for concrete and masonry surface, which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction. The cured CEMFIN 2K will become a tough, flexible and seamless waterproof membrane and will act as an excellent water barrier to concrete and masonry surface.

AREA OF APPLICATION

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

FEATURES & BENEFITS

- Quick drying
- Easily applied by brush or trowel
- Excellent adhesion to concrete and masonry substrates.
- Environment friendly - Volatile Organic Compound (VOC) free .
- Excellent waterproofing property - No leakage up to 10 m. hydrostatic pressure.
- Economic solution in long run.
- Non toxic substances.
- Can be applied on damp surface.
- Flexible

METHOD OF APPLICATION

SURFACE PREPARATION

- Clean the surface area (wall & floor including sunk slab) of bathroom to remove dust, oil, grease, loose particles, dirt etc. and saturate the surface area with water.
- Remove the excess water so that surface is in saturated surface dry condition.

MIXING & APPLICATION

- Take a clean bucket. Empty the liquid provided inside box of Cemfin 2K completely into it. Now, slowly add powder provided in Cemfin 2K box into it. Keep mixing using a machine at slow speed. Do not add water or any other material.
- Using paint brush, apply first coat of this mixed Cemfin 2K on the surface in horizontal direction. Make sure to apply material up to height of 15 to 18 CM from tiling surface.
- Allow it to dry for 4 to 6 hours depending on the moisture in the weather.
- Prepare another batch of Cemfin 2K as mentioned earlier. Using paint brush, apply second coat of this mixed Cemfin 2K in vertical direction on floor & wall. Allow it to dry for 24 hours.
- If screed is not applied within 48 to 72 hours, it reduces the flexibility & effectiveness of Cemfin 2K film.
- Lay concealed pipes & traps. Lay brick bat coba or screed using mix design as per the required strength. Cemseal suggests minimum M20 strength.
- Grout the pipe inserts with Cemseal Cemgrout NS. Conceal the waterpipes with Cemgrout NS.
- Apply Cemfin 2K on vertical surfaces up to shower pipe height (roughly 7 to 8 ft) using 2 coats (vertical & horizontal) with the intervals of 4 to 6 hours.



CURING

- For maximum protection, allow 12 to 24 hours curing time after the last coat.
- CEMFIN 2K requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock - up or ponding tests on site.

CLEANING

CEMFIN 2K should be removed from tools and equipment immediately after use with clean water, only hardened material should be removed mechanically.

TECHNICAL INFORMATION

Properties	Results
Mix Component	Mix Ratio 1:2 (A: B)
Proprietary Polymer	High quality modified acrylic polymer
Set-to-touch time	45 min
Tensile Strength - as cast	2.5 N/mm ²
Elongation at Break - as cast	60 %
Adhesion to Substrate	0.80 N/mm ²
Adhesion to Concrete at 7 day	1.75 N/mm ²
Immersion in water Adhesion to Concrete at 7 day	1.00 N/mm ²
Crack Bridging	1 mm

PRECAUTIONS & LIMITATIONS

- CEMFIN 2K is not suitable for traffic area application.
- CEMFIN 2K is a pre measure package. Do not dilute with water or add any more sand or cement.

PACKAGING

- Packaging - 3 kg & 15 kg.

COVERAGE

1 square meter per kg per coat (Minimum 2 coats - actual coats may depend on the surface needs).

STORAGE

12 month storage in sealed container at room temperature.

HEALTH & SAFETY PRECAUTIONS

- Non flammable.
- Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water.
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.

TECHNICAL INFORMATION & SERVICES

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.

NOTE

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

Address

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