

KingProof® C75M

Two-component, polymer-modified, flexible cementitious waterproofing and protective slurry mortar.

DESCRIPTION

KingProof C75M is a two-component, polymer-modified cementitious waterproofing and protective slurry mortar for concrete. It is slightly flexible, allowing it to tolerate fine cracks, and is suitable for both interior and exterior applications. It can be mixed to a slurry or a trowelable consistency and is available in concrete grey and off-white.

APPLICATIONS

- ▣ Improving the watertightness of water tanks, reservoirs and clearwells
- ▣ Waterproofing of potable-water tanks, reservoirs and clearwells
- ▣ Internal and external waterproofing and damp-proofing of concrete, mortar, blockwork and brickwork
- ▣ Protection of concrete against de-icing salts and freeze/thaw cycles
- ▣ Sealing of hairline cracks in concrete not subject to movement
- ▣ Interior and exterior waterproofing of basements
- ▣ Horizontal surfaces subject to light foot traffic, such as balconies

ADVANTAGES

- ▣ Improves the watertightness of water-containing concrete structures
- ▣ Protects against water penetration while remaining vapour permeable (breathable)
- ▣ Excellent freeze/thaw resistance
- ▣ Good adhesion to sound, prepared substrates
- ▣ Easy and fast mixing and application
- ▣ Good abrasion resistance
- ▣ Protects against concrete carbonation – a 2 mm coating is equivalent to approximately 150 mm of concrete
- ▣ Can be mixed to a slurry or a trowelable consistency
- ▣ Suitable for contact with potable water

STANDARDS

KingProof C75M has been certified as suitable for contact with potable water and tested for resistance to carbonation and freeze/thaw cycling in accordance with recognised international test methods.

TECHNICAL PROPERTIES

Colour	Concrete grey and off-white
Mixing ratio (A : B), slurry consistency	1 : 4.1 by weight (full unit)
Application temperature	5 to 35°C
Damp-proofing	1 coat at 1 mm
Waterproofing	2 coats at 1 mm per coat
Coverage	2 kg/m ² per 1 mm thickness
Anti-carbonation equivalence	2 mm ≈ 150 mm of concrete
Data measured at	23°C & 50% RH

METHOD OF USE

Surface Preparation

Substrates must be structurally sound, clean and free from laitance, loose particles, oil, grease, curing compounds and any other contamination. Fill holes and honeycombing with a suitable KingKrete repair mortar. Do not apply to dry concrete: saturate the surface with clean water and apply while still damp (saturated surface dry).

Mixing

KingProof C75M is supplied in pre-measured units. Slowly add the powder (component B) to the liquid (component A) and mix with a slow-speed (300 rpm) drill and paddle until a lump-free, homogeneous mix is achieved. Mix only as much material as can be used within one hour.

Application

For damp-proofing, apply one coat at 1 mm. For waterproofing, apply two coats at 1 mm per coat, applying the second coat once the first has set sufficiently to take the next. Areas of extremely high water infiltration may require a third coat. Apply by brush for slurry consistency or by trowel for a trowelable consistency.

PACKAGING

KingProof C75M is available as a 20 kg unit comprising liquid (component A) and powder (component B), which when mixed yields approximately 10 litres.

KingProof® C75M

Two-component, polymer-modified, flexible cementitious waterproofing and protective slurry mortar.

STORAGE

KingProof C75M has a shelf life of 12 months in original, unopened packaging. Protect component A from freezing and component B from moisture. Store dry between 4°C and 35°C, and condition the material to 18 – 24°C before use.

HEALTH AND SAFETY

As with all chemical products, avoid contact with the eyes, skin and mouth and use in well-ventilated areas. Treat any splashes to the eyes and skin immediately. For further information, refer to the Safety Data Sheet.

NOTE

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

QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.

® = Registered trademark of the KingKrete-Group in many countries.

Ref: KK-08081-MEA-R01 | Issue: 01.2026

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.