

KATRET CH FLEX

Two – Component Flexible Waterproofing Mortar

Product Description :

KATRET CH FLEX is cement based, two-component, composed of grey-colored cementitious compound and blue-colored emulsion, flexible sealing slurry that is reinforced by polymeric additives and used in the solution of waterproofing problem. It is water-repellent and can be used from the positive side only.

Areas of application :

- In interior and exterior
- From positive side only
- Both vertical and horizontal
- In wet premises
- In continuously wet, humid and damp areas such as balcony, terrace and cellar, water tanks, pools, reservoirs and storage tanks.
- In foundations, basement walls, underground and surface construction works
- In bridges and retaining walls

Features :

- Suitable for brush and spray use
- Resistant to heavy weather conditions
- High adhesion quality, strongly adheres to surfaces
- High abrasion resistance
- Flexible
- Suitable for use in drinking waters

Technical data :

Color	Grey
Applicable thickness (mm)	Max 6
Recommended applicable thickness (mm)	2
Dry unit volume weight (kg / lt)	1,3 ± 0,2
Wet unit volume weight (kg / lt)	1,8 ± 0,2
Waiting time in container (min)	~ 30
Drying time (hour)	~ 24
Carbondioxide permeability (m)	>50
Permeability to water-vapour (m)	Class I ; Sd <5
Adhesion strength (28 days) (N / mm ²)	≥ 1
Capillary water absorption (<0,1kg/m ² .h ^{0,5})	0,1
Crack bridging	>0,75
Special mixture emulsion amount (for 25 kg powder component)	10 kg blue-colored liquid emulsion
Application temperature	Between +5°C and +35°C
Resistance of hardened coating	Between -25°C and +80°C

Technical data are approximately provided according to a temperature of +20°C and a relative humidity of 50%.

Preparation of the substrate :

- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint etc.; residues and wastes like cement, plaster and concrete should also be removed.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.

Application :

- **KATRET CH FLEX powder component** should be poured slowly on liquid component (10 kg) that has been put into a clean container filled, and should be mixed by means of a mixer with low cycle until a cluster-free mixture is obtained. Mixture duration should be minimum 5 minutes. The mixture obtained at the end of the process should be rested for 3 minutes and mixed again until it becomes homogenous for 2 minutes.
- **KATRET CH FLEX liquid component** /the emulsion/ should be shaken well before use.
- Application should be at least two layers thick. After applying the first layer, at least 4-6 hours should be rested and second layer should be applied before waiting period exceeds 24 hours.
- The cracks that might be formed in the event of application to very wide surfaces should be prevented by means of application by leaving joints. Joints should be filled with flexible filling material.
- On the moving grounds that have cracking risk, flexible mesh for waterproofing systems can be applied as an intermediate layer between the application with the aim of forming a water isolation layer which is more flexible in order to meet the tensile stress.
- It shouldn't be applied to hot or frozen surfaces directly.

Application with machine :

KATRET CH FLEX is suitable for use with spray machine.

After application :

- Freshly applied surfaces should be protected against direct sun light, strong air stream, high air temperature (above +35°C), rain and frost in the initial days.
- Any kind of plaster application on the application surface or ceramic tiling works should be performed 3 days later.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (plaster, screed, ceramic, tile etc...) as early as possible (depending on the product's drying time within 3 - 7 days).

Coverage :

Approximately 1,5 – 2,0 kg/m² per each 1 mm thickness.

Coverage amounts are theoretical values and it is recommended that coverage-controlled sample application is carried out before application.

Packaging :

Powder component in 25 kg craft bag, 64 sets in 1 palette. Liquid component in 10 kg plastic drum.

Storage :

- Dry mortar bags should be protected from water, frost and adverse weather conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn or opened products should be closed immediately and consumed first.
- Maximum 8 bags should be stocked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Health and Safety Information :

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.