CB DICHTMORTEL

FIBER REINFORCED WATERPROOFING MORTAR

APPLICATIONS AND CHARACTERISTICS

CB DICHTMORTEL is used for the waterproofing of basements, water buffer tanks, swimming pools, showers as well as for sealing, inside and outside, of newly-build construction and existing homes against groundwater. After treatment against rising damp, plaster is applied as a substrate for the stucco against rising salts.

Once water has been added to **CB DICHTMORTEL**, the product is ready-for-use. The mortar is water resistant and offers a high resistance to salts and frost, while it continues to breath.

Due to the optimum composition consisting of cement, quartz sand, waterproof additives and

Technical Parameters	Category and values in accordance with NBN EN998-1	
Compressive strength (after 28 days)	**CS IV**	Ca 45MPa
Tensile strength (adhesion)		≥ 1 N/mm²
Water intake (Capillary)	**W2**	$\leq 0,2$ kg/m².min^{0,5}
Water vapour permeability μ Heat conduction λ		≤ 25
		$\leq 1,28$ W/m.K
Fire class		F

synthetic fibers **CB DICHTMORTEL** can be applied very smoothly and guarantees a very good adhesion which assures mixing errors are not possible.

APPLICATION MANUAL

CB DICHTMORTEL can be applied to all surfaces suitable for plaster (concrete and masonry).

General preparation

The surface must be solid, clean and free of loose parts. Old occupation (plaster, cement, etc.) must be cut off if these are loose. **CB DICHTMORTEL** is applied to clean, paint-free and grease-free surfaces. (if necessary, sandblasting is required).

With masonry, poor joints are removed first. The areas where the joints were removed and the places where the masonry or other subsoil show cavities, deep cracks, are first filled and flattened.

Waterproof container

The substrate must be moistened. It is advisable to apply an adhesive layer with CB DICHTSLAMME 2C which can be applied with a brush. After application of the adhesive layer (1 to 2 hours), the application can be carried out. **CB DICHTMORTEL** is sprinkled in 4 to 4.5 litres of water with continuous stirring. You can use a concrete mixer or mortar mixer. After the mixture is homogeneous, it is left to rest for two minutes and mixed again for half a minute. The mixture is now ready for use.

Apply one or two layers of mortar to the previous adhesion layer (max. thickness 1.4cm). When curing, the drying process should not be too fast. Then wet the surface regularly with water or plastic foil on the surface. For watertight basements and reservoirs, the surface should be rounded off to 5 to 6 cm in all corners of the walls, as well as between the floor and the walls. This is essential as they are weak points for water infiltration.

Rubbing the applied finishing coat with **CB DICHTMORTEL** to a smooth surface can be done with a suitable slightly moistened sponge chip after 2 to 4 hours depending on the weather conditions.
Note: If desired, a finishing coat with CB DICHTSLAMME GREY or WHITE can be applied to the **CB DICHTMORTEL**.

Salt repellent barrier (after treatment against rising damp)

The substrate must be moistened with CB Latex. Prepare **CB DICHTMORTEL** with 4 litres of water. Mix the contents of the bag into the mixture while stirring. You can use a concrete mixer or mortar mixer. After the mixture is homogeneous it is left to rest for two minutes and mix again for half a minute. The mixture is now ready for use. Apply one layer of mortar to the wetted surface (max thickness 1cm). After 24 hours, a plaster may be applied on top of the applied mortar.

Waterproofing with direct sealing of leaks

All water leaks are first sealed with CB1 Quick-setting Cement or CB5 Quick-setting Cement according to the working method described in the technical data sheets depending on the severity of the leaks. The substrate must be moistened. It is advisable to apply an adhesive layer with CB DICHTSLAMME 2C that can be applied with a brush. After applying the adhesion layer (1 to 2 hours), the application can be done.

Sprinkle **CB DICHTMORTEL** in 4 to 4.5 litres of water while stirring continuously. You can use a concrete mixer or mortar mixer. Once the mixture is homogeneous, leave it to stand for two minutes and mix again for half a minute. The mixture is now ready for use.
Apply one or two layers of mortar to the previous adhesion layer (max. thickness 1.4cm). When curing, the drying process should not be too fast. Then wet the surface regularly with water or plastic foil on the surface.

In the case of watertight basements and reservoirs, the corners of the walls, as well as between the floor and the walls, should be rounded off 5 to 6 cm. This is essential as they are weak points for water infiltration. Rubbing the applied finishing coat with **CB DICHTMORTEL** to a smooth surface can be done with a suitable slightly moistened sponge chip after 2 to 4 hours depending on the weather conditions.

Note: If desired, a final coat with CB DICHTSLAMME GREY or WHITE can be applied to the **CB DICHTMORTEL**

After the curing process of **CB DICHTMORTEL**, in certain cases condensation may form on the surface of the occupancy. In this case, the space must be additionally ventilated.

MATERIAL CONSUMPTION

Per mm thickness the consumption is 2 kg / m².

The minimum thickness for pressurized water is 10 mm, which corresponds to 20 kg / m²

SHELF LIFE

In case of dry storage, **CB DICHTMORTEL** can be kept for approx. 18 months.

PACKAGING

Bags of 25 kg.

CONSIDERATION - EPILOGUE

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