



GP® CAB FLEX 2C

Two component cementitious/polymer sealing slurry -
(Fast drying, hydrophobic, waterproof).

GP® Crystalline Active Barrier (CAB) Flex 2C is a two component, fast drying grey waterproofing coating system. The A component is a cement-based powder and B component is a liquid polymer. Due to the polymer the coating system is semi flexible. CAB Flex 2C migrates into the substrate and seals the pores of the substrate to achieve excellent bonding to the surface. It is shrinkage compensated and has quick strength development. CAB Flex 2C also has very good abrasion resistance on the substrate.

TITANTECH®

For developers of brownfield and contaminated sites the TITANTECH® family of products represent a major step forward in safeguarding projects against gaseous and chemical contamination.

Features

- Dry mortar
- EN 1504-3 – Class 3 repair mortar barrier
- Watertight against pressurized water (50 bar, depend on surface)
- Frost resistant
- High compressive strength
- Capillary blocking
- Low consumption
- Easy application
- Sprayable
- Suitable as Pile head/Cap sealing

Colour	Grey
Delivery Form	33 kg units (25 kg comp. A + 8 kg comp. B)
Accordance	EN 1504-3 - Class 3 repair mortar barrier



GROUND GAS PROTECTION

GP® CRYSTALLINE ACTIVE
BARRIER FLEX 2C
TECHNICAL DATA
SHEET



GP®
CAB
FLEX 2C

Feature	Characteristics	GP® Crystalline Active Barrier (CAB) Flex 2C
Physical Properties	Base component A	Cement, quartz sand, additives
	Base component B	Rubber dispersion, additives
	Colour	Grey
	Processing temperature	+ 5°C up to + 35°C
	Bulk density component A	Approx. 1.6 g/cm ³
	Density component B	Approx. 1,01 g/ml Page 2
Properties	Water vapour diffusion resistance factor μ	Approx. 65
	Trafficable	After approx. 4-6 hours
	Loadable	After approx. 3 days
	Applicable	Approx. 45 minutes at 20°C/50% rel. h.
	Curing time	After approx. 48 hours
	Complete curing	After 28 days
	Shrinkage	<0.02%
	Consumption	2.0mm approx. 3 - 3.5 kg/m ²
		2.5mm approx. 3.5 - 5 kg/m ²
	Minimum thickness	Approx. 2 mm where no pressurised water
		Approx. 2.5 mm where anticipating pressurised water
	Compressive strength	Class R3 (>25 MPa)
	Chloride ion content	< 0.05 %
	Adhesive bond	> 1.0 MPa
	Elastic modulus	> 10 GPa
Capillary absorption	$\leq 0.5 \text{ kg/m}^2 \times \text{h } 0.5$	
Reaction to fire	Class A1	

JUTA UK

For additional information or assistance, please contact JUTA UK directly.

Application areas

CAB Flex 2C is used for reliable and permanent waterproofing against pressurised water on positive side (outside) as well as on negative side (inside) of buildings. CAB Flex 2C can be used on vertical and on horizontal surfaces to be waterproofed. It is applicable on nearly all mineral sufficiently solid surfaces with an ideal strength of >1.5 N/mm². Typical application areas are basements, concrete elements, car parking, tunnels, water tanks, wet rooms, or manholes. CAB Flex 2C is also usable as waterproofing under walls, and across pile heads/caps against rising dampness.

Delivery form

33 kg units (25 kg comp. A + 8 kg comp. B).

Storage

6 months (frost-free and dry, +5°C up to +25°C in original packaging).

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Application - Surface preparation

The surface must be dry or slightly damp, sound, absorbent and clean. Bonding inhibiting agents such as grease, oil, formwork oil and all loose particles and dust must be removed before application of CAB Flex 2C. Damaged area like cracks, holes or cavities must be reprofiled. Cavities or surface damages >5mm must be reprofiled. The pores of substrate must be open, so CAB Flex 2C can penetrate. Dusty or salt damaged surface must be treated with Deep Primer prior application of the slurry so the substrate is re-solidified and salts are transferred from soluble to insoluble and during curing time of the slurry no salts can penetrate into the CAB Flex 2C during curing.

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Application - Negative/ Positive side waterproofing

CAB Flex 2C must be mixed with using of a slow speed mixer in the designed mixing ration (25 kg by 8 kg). Put component B (please shake it before using) in a mixer (or container provided) and add the whole bag of sealing slurry (component A), mix it until a lump-free compound is attained. After mixing wait 1 minute and mix again. The application on the surface must be done with a hard brush or spraying device. The coating in principle is done by minimum 2 layers, whereby the minimum thickness has to be observed. The first layer must not be completely cured before the second layer is applied or the surface has to be pre-wetted.

The whole system has to be secured against over fast drying (wind, sun etc.), frost and rain. At negative side waterproofing the rel. air humidity should not be higher than 65%. CAB Flex 2C can be covered with coating for water vapor diffusion or plasters.

Recommended tools.

- Hard brush
- Roller
- Gloves
- Safety glasses
- Mixer
- Spraying device