

# CP 43



## Elastic Sealant F XPRESS

**Rapid-Drying, 2-component, solvent-free and fibre-reinforced bitumen rubber waterproofing coat for waterproofing buildings (PMB\*)**

\* PMB = polymer-modified bituminous thick coating

### PROPERTIES

- ▶ high yield due to low shrinkage
- ▶ crack-bridging
- ▶ rapid-drying
- ▶ easily workable
- ▶ for water load types acc. to EN 15814

### USES

CP 43 Elastic Sealant F XPRESS is a fiber-reinforced bitumen waterproofing coat for the full-surface waterproofing of structural components according to EN 15148. It is suitable for all water load types, quickly rainproof and rapidly dries to produce a flexible, crack-bridging waterproofing layer.

CP 43 can also be used for waterproofing containers and for fixing insulation, drainage and protection boards. It can be applied on all mineral substrates, e. g. brickwork, plasters, screed, concrete and on existing bituminous substrates.

CP 43 F XPRESS is resistant to all aggressive substances naturally present in the soil. Not suitable for waterproofing structures exposed to negative water pressure.

### SUBSTRATE PREPARATION

The substrates must be level, solid, load-bearing, clean, dry or slightly damp and free of dust and substances which impair adhesion (e. g. release agents). At low temperatures, make sure that the surface is free of ice. Edges must be chamfered. Chamfer all edges and cove inner corners using either CN 83 Floor Repair Mortar »Easy« or CP 43 (max. 2 cm radius, drying time at least 1.5 hours).

For detailed information on substrate preparation and priming refer to the Technical Data Sheet of CP 41.

Movement and separation joints between buildings must be prepared with CP 50 Joint Sealing Tape.

Joints, cracks and damage to the concrete of > 5 mm must be filled with mineral mortar before applying the levelling compound.

### APPLICATION

Mix the 2 components with a slow-running electric drill (approx. 400-600 rpm), preferably equipped with an anchor stirrer. First,



briefly stir the liquid component. Then add the entire powder to the liquid component and mix until a homogeneous, lump-free compound has been produced (mixing time: at least 2 minutes). After the priming coat has dried, apply a uniform layer of CP 43 using a trowel and a finishing trowel. Layer thickness depends on the water load type.

– If work is interrupted, the layer thickness of bituminous thick coatings should be brushed out to zero. When resuming work, the thinner area should be overlapped with a new layer. Work must not be interrupted when waterproofing the corners and edges of a building.

– Apply at least two coats.

#### – Water load type ground moisture:

The waterproofing coat is applied in two layers, wet-on-wet, until the required wet layer thickness is reached (see the table).

#### – Water proofing against pressing water:

The waterproofing coat must form an all-round, "tub-like" layer so that the building is sealed against water on all exposed surfaces. At least two layers are required. A reinforcing fabric

(CP 49) can be embedded into the 1st coat. Before applying the 2nd coat, the 1st must have sufficiently dried to avoid damage (required wet layer thickness: see the table).  
When waterproofing structures the layer thickness controls must be documented.  
The max. permissible immersion depth is 3 m.

### Joints and penetrations:

Movement and separation joints between buildings in the area in contact with soil must be expertly protected against ground moisture on the external side with CP 50 Joint Sealing Tape. When applying the waterproofing coat on the surface, any wall/pipe interfaces must be embedded by applying an approx. 5 cm wide sealing strip along the length of the pipe. In the case of pressing water, the pipe must be fixed with CA 31/32 Expansion Resin/Sealing Hose or with a special loose-fixed flange connection.

## PLEASE NOTE

Water (e. g. from the cellar base or from storey ceilings) must be prevented from running behind the waterproofing layer. Furthermore, the waterproofing coat must not be exposed to water running from unconnected downpipes.

Always carry out the through-drying test on the building itself. The extent of drying can be checked damage-free in the excavation by taking a reference sample (e.g. a coated brick). Before back-filling, protect the waterproofing coat by fixing suitable insulation or drainage boards.

Only use sand resp. fine-grained gravelly sand or a similar material. Back-filling and compacting must be done in alternating layers of 30 cm to avoid slippage of the protective layer. Make sure to observe the following technical information:

- Safety Data Sheet
- special information issued by the Builders Trade Association on GISCODE BBP 10
- Technical Data Sheets of other Ceresit products
- EN 15814 Polymer modified bituminous thick coatings for waterproofing
- the relevant guidelines and regulations issued by various organizations and trade associations

Please refer to the CP 43 F XPRESS Safety Data Sheet for safety advice and disposal information.

## TECHNICAL DATA

Material base:	Bitumen rubber			
Bulk density after mixing:	1.0 kg/l			
Working time:	approx. 1 hours			
Through-drying**:	+10 °C approx. 4 days, +20 °C approx. 2 days			
Rainproofness: (brief drizzle)	+10 °C approx. 3 hrs +20 °C approx. 2 hrs			
Mixing ratio:	Liquid component (A) to powder component (B): 3:1 parts by weight			
Required amount depending on the water load type*:	Recommended wet layer thick- ness in mm	Dry layer thickness in mm	Required amount in l/m <sup>2</sup>	Build-up
Ground moisture:	3.8	3.0	3.8	2 layers
Pressing water immersion depth max 3 m:	5.0	4.0	5.0	2 layers plus reinfor- cement
Fixing insulation and drainage boards:	approx. 1			
Scratched rendering (does not qualify as waterproofing coat):	1-2			
Temperature resistance for transport and storage:	0 °C to +40 °C, protect against frost and direct sunshine			
Shelf life:	Approx. 9 months if stored tightly closed in a frost-free, cool and dry place. Use up opened containers as soon as possible.			

\* The material quantities indicated above are minimum amounts and may increase by 1-2 kg/m<sup>2</sup> depending on the workmanship employed. Rough or uneven substrates may also cause a higher consumption.

\*\* Depending on temperature, air humidity and substrate, drying is accelerated or delayed.

**Should you need support or advice, please consult  
our advisory service for architects and craftsmen on  
the hotline numbers**

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The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and experience. As materials and conditions may vary with each intended application and thus are beyond our influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part.  
This technical data sheet supersedes all previous editions.

Apart from the information given in this technical data sheet, it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable DIN standards.

All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

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CP 43 Dichtelast F XPRESS (2K) – R1-04/2016 EN 15814:2011+A2:2014	
Polymer modified bituminous thick coatings (PMBC) for waterproofing in below ground structures	
Reaction to fire	Class E
Watertightness	Class W2A
Crack-bridging ability	Class CB2
Water resistance	Passed
Flexibility at low temperature	Passed
Dimension stability at high temperature	Passed
Resistance to compression	Class C2A
Durability	Passed
Dangerous substances	See safety data sheet



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