

Zentrifix F 92

Crack-bridging polymer-cement-mixture



PRODUCT PROPERTIES

- Two-component, polymer-modified
- Temperature-resistant up to - 35 °C
- Open to water vapour diffusion, slows carbonation
- Resistant to frost-thaw and de-icing salts, chloride-proof
- Hand- and wet spray application, may be smoothed and finished, curing-free
- Resistant to roots in compliance with DIN 4062
- Approved as WHG-system
- Registered with DGNB (Code: 9G6K52)
- Tested and approved in accordance with DIN V 18026 as OS 5a and OS 5b system
- Low flammable, building material class C-s1, d0 according to EN 13501-1
- Certified in accordance with EN 1504 part 2

AREAS OF APPLICATION

- Surface protection system for structural and civil engineering
- Surface protection system for use in water conservation, e.g. for collecting trays for transformers
- Surface protection system for temporarily loaded water structures (drying time of Zentrifix F 92 until first exposure to water \geq 7 days)
- Building sealing below permeable driving surface at water effect class W1-E according DIN 18533
- Certified according to EN 1504 part 2 for principle 1, 2 and 8, procedure 1.3, 2.3 and 8.3
- REACH-assessed exposure scenarios: periodical inhalation, application

APPLICATION ADVICE

Substrate Preparation: See leaflet "General Application Zentrifix F 92". Mixing time at least 3 minutes. A turbine paddle mixer (e.g. Collomix DLX) is recommended.

Mixing Ratio: Please refer to the "Technical Data" table.

Application: Zentrifix F 92 is applied in two work-steps, using trowels, floats, rubber squeegees or wet-spraying method. For spray-application use a spiral pump with a variably adjustable discharge flow. Please ask for our assistance or the equipment planner leaflet.

Priming: During the first work-step a primer is applied with a rubber squeegee. If such a coat is applied by spraying it must be worked into the substrate subsequently.

Coating: During the second work-step the coating is smoothed or sprayed onto the load-bearing primer coating with a layer thickness of 2 mm.

Finishing: To achieve a smooth surface the coating can be smoothed and finished with a wet, medium-hard sponge. The ideal time for this work-step depends on existing local climatic conditions. For especially high optical demands on the smoothness of the surface (e.g. undersides of balconies) the coating should be applied in two work-steps with a layer thickness of 1 mm each. When using the spraying method the surface may be left unfinished.

MC-Protective System F 92: If used in water protection the primer is followed by a first top coat with a coverage of approx. 3.2 kg/m². After an interval of at least 12 hours a second coat is applied with approx. 1.6 kg/m². The wet layer thickness is approx. 3 mm. Please consider the surface roughness of the substrate.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	100 : 60	powder component : liquid
Working time	minutes	45	at 8° C
		30	at 20 °C
		20	at 30 °C
Application conditions	°C	≥ 8 ≤ 30	air, substrate and material temperatures
	%	≤ 80	rel. humidity
	K	3	above dew point
Consumption	kg/m ²		
1st base filler		0.6 - 0.8	
Coating		3.2	in two work stages
Layer thickness	mm	1	minimum layer thickness per pass/operation
		2	maximum layer thickness per pass/operation
		4	maximum total layer thickness
Fresh mortar bulk density	kg/dm ³	1.6	
Drying time ¹⁾	days	≥ 7	
Overworkable after	hours	12	levelling / basic filling
		1	basic filler / 1st layer
		12	1st layer / 2nd layer
Rain resistant after	hours	3 - 6	depending on temperature
Resistance to diffusion (against water vapour H ₂ O)	m	1.1	at 2000 µm dry layer thickness
Resistance to diffusion (against carbon dioxide CO ₂)	m	500	at 2000 µm dry layer thickness
Crack-bridging class			at 2000 µm dry layer thickness
		B3.1	at -20°C
Crack-bridging (static)	mm	approx. 1	at 2000 µm dry layer thickness

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

1) ensure compliance with application conditions

Delivery form	25 kg bags (powder) 15 kg buckets (liquid)
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.
Packaging disposal	Make sure single-use containers are completely empty.

GISCODE : ZP1

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400021788]