



Zentrifix-elastic

Flexible waterproofing and protection system

Product properties

- Two component polymer modified hydraulically setting slurry, solvent free
- Crack bridging characteristics and resistant to carbonation
- Withstands chloride ion diffusion while retaining breathing capacity
- Resistant to water pressure up to 7 bars
- Suitable for underwater applications
- No curing required
- Can be applied by brush or spatulas
- Elastic and flexible membrane with high mechanical resistance
- Excellent adhesion to old and new surfaces

Areas of application

- Sealing or strained basements walls
- Waterproofing systems for water tanks
- Waterproofing systems for high water heads
- Sealing and protection of bridge decks, splashing zones, tunnels, cooling towers, balconies etc.
- Waterproofing systems for any over or underwater applications
- As a carbonation resistant coating in repair and protection systems

Application

Zentrifix-elastic is a two component cement based waterproofing and concrete protection system for specialized structures like dams, bridges, culverts, tunnels and all hydraulic structures where the water pressures are very high. It is fully suitable for normal waterproofing requirement of terraces, park places, basement, swimming pools, sanitary areas etc. When two components are mixed and applied, the film formed is thick elastic membrane with degree of abrasion and chemical resistance. It is most suitable for protection from chloride attacks.

Advantages

Zentrifix-elastic when hardened produces a seamless elastic film, which is having mechanical resistance. The component **Zentrifix-elastic** is cement bound mineral modified mortar of proper grading. The second component **Emceflex 15** is polymer based on acrylic emulsion. The crack-bridging is about 0.7 mm in normal application thickness. Additional coats increase the crack bridging characteristics.

Instructions for use

The surface to be coated must comply with the principles of building construction and should fulfill the structural requirements, including properly designed slopes to avoid stagnation of water in case of roofs. Any cracks, pot holes expansion joints etc. should be firm, clean free from fats, oil grease, dust or any other contaminations.

Zentrifix-elastic consists of a powder Zentrifix-elastic and a liquid component Emceflex 15. The liquid component should be emptied into a clean mixing vessel and the powder slowly added to it, while mixing with a slow speed-mixing paddle (approx. 400 rpm) until a consistent, lump free homogeneous mass is produced. The mixing ratio is approximately 100 parts by weight of powder to 50 parts by weight of liquid. Higher

temperatures shorten, and lower temperatures lengthen this time.

Zentrifix-elastic can be applied by trowel or brush. Before application the surface should be slightly moistened but should not be wet.

Zentrifix-elastic can be applied in standard thickness of 2-3 mm in two coats. Maximum thickness of 4 mm is allowed and the application should be in three coats. The first coat should be carefully worked into the surface by brush in order to close the pores, allow three to four hours before the next coat. The final coat should be finished with a steel trowel. Do not use wooden or rubber-based finishing tools.

Zentrifix-elastic should be applied within the temperature range of 10°C to 35°C. The surface should be protected from direct sunlight, frost and rain during application. No curing is required on account of its high polymer content.



Technical Data for Zentrifix-elastic

Characteristic	Unit	Value	Comments
Density	kg / cm ³	1.70	
Mixing ratio	powder : liquid	2 : 1	
Pot life	minutes	30	
Minimum application temperature	° C	+ 5° to + 30°	
Consumption	kg / m ² / mm	1.70	

Product Characteristics for Zentrifix-elastic

Colour	powder - grey , liquid - white
Shelf life	9 months
Delivery	powder - 30 Kg Sacks , liquid – 30 kg pails
Storage	Protect from heat and frost
Disposal	Packs must be emptied completely.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.
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