



Zentrifix® Elastic

High Performance Acrylic Polymer Flexible Waterproofing membrane and Protection System

Product Properties

- Two component polymer modified hydraulically setting slurry, solvent free.
- Crack bridging characteristics
- Resistant to carbonation
- Withstands chloride ion diffusion while retaining breathing capacity.
- Resistant to water pressure up to 5 bars
- No curing required.
- Can be applied by brush or roller.
- Elastic and flexible membrane with high mechanical resistance
- Excellent adhesion to old and new surfaces

Areas of Application

- Sealing of strained basement walls
- Waterproofing system for high water heads
- Sealing and protection of bridge decks, splash zones, tunnels, cooling towers, balconies, sunken areas, retaining walls, etc
- Waterproofing systems for any over or underwater applications (with suitable protective layer)
- As a carbonation resistant coating in repair and protection systems
- Excellent coating for areas showing changes in Geometry.

Application

Notes

General

Zentrifix @Elastic is a 2 component mineral based polymer modified waterproofing and concrete protection system for specialized structures like dams, bridges, culverts, tunnels and all hydraulic structures where the water pressure is high. It is fully suitable for normal waterproofing requirement of terraces, Parking structures, basements, swimming pools, sanitary areas etc

Advantages

Zentrifix @Elastic when hardened produces a seamless elastic film, which is having an excellent water resistance. The component B of **Zentrifix @Elastic** is a cement bound mineral modified mortar of proper grading. While component A is an acrylic polymer modified emulsion. The crack bridging ability is about 0.7mm in normal application thickness. Additional coats increase the crack bridging characteristic.

Instructions For Use

Surface Preparation

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, potholes, expansion joints etc. Should be firm, clean free from fats, oil, grease, dust or any other contaminations.

All loose material, dirt, grease oil dust, mould release agents etc. should be removed from the substrate to be treated. The substrate should have sufficient bonding strength, for example in case of concrete at least 1.5N/mm² to achieve efficient and durable waterproofing layers. If the surface is very smooth, we advise to roughen by suitable methods for example by using wire brush or similar tools.

Mixing Instructions

Zentrifix @Elastic consists of a powder and a liquid component. 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. 400rpm) until a consistent, lump free homogenous mass is produced. The mixing ratio is approximately 100 parts by weight of powder to 50 parts by weight of liquid.

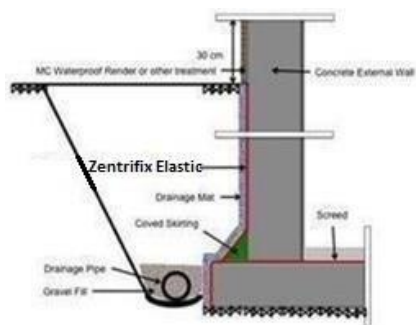
Zentrifix @Elastic can be applied by trowel or brush. Before application the surface should be slightly moistened but should not be wet.

Zentrifix @Elastic can be applied in standard thickness of 2-3 mm in 2 coats. Maximum thickness of 4mm 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 3 to 4 hrs 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.

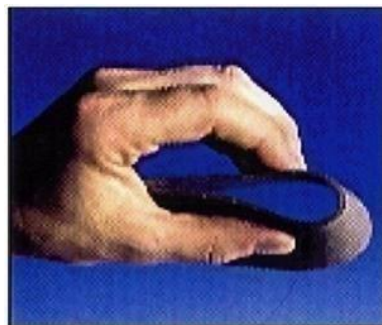
Curing and Protection

Zentrifix @Elastic coatings are self-curing, but should be protected from direct sunlight, moisture, rain, frost etc. It is recommended that any protective decorative systems like tiles, wooden panels, plastic boards etc be fixed only after **Zentrifix @Elastic** coatings is sufficiently hardened, at least for 7 Days. Care should be taken that the layer of **Zentrifix @Elastic** coating is not damaged during subsequent operations. Small damages can be retouched easily before subsequent operations.

Application Example



Flexibility Zentrifix®Elastic



Technical Data For Zentrifix®Elastic

Characteristic	Unit	Value	Comments
Component A(Powder)			
Color		Grey	
Maximum Grain Size	mm	0.3	99.9% Passing Through 0.3mm Sieve
Component B(Liquid)			
Color	-----	Milky White	
Specific Gravity	-----	1.030	±0.010
Solid Content	%	45%	Minimum45%
Density	Kg /m ³	1.69	Astm D 1475
Mixing ratio	Liquid :Powder	2:1	
Application temperature	°C	+ 50 to + 300	
Pot life	Minutes	30	At + 270C
CURED FILM PROPERTIES -1 MM THICKNESS (DFT)			
Consumption	Kg / m ² / mm	2.2	@ 1 mm Thickness(DFT)
Crack bridging Capacity	mm	1.65	According to EN 1062-7(A)
Elongation	%	111	According to Astm D 412
Pull off Adhesion Strength	N/mm ²	0.81	According to Astm D 7234
Tensile Strength	N/mm ²	1.26	According to Astm D 412
Depth of Water Penetration-			
Control Sample	mm	38	@ 5 Bar Pressure As Per EN 12390-8
Coated Sample	mm	Nil	As Per EN 12390-8
Water Vapour Transmission	g/m ² .day	18.2	As Per Astm E96

Product Characteristics for Zentrifix®Elastic

Type of Product	Flexible waterproofing slurry and protection coat
Form	Zentrifix® Elastic A: Powder Zentrifix® Elastic B: Liquid
Color	Zentrifix® Elastic A: Grey Zentrifix® Elastic B: Whitish
Shelf Life	12 months from Date of Manufacture
Delivery	Zentrifix Elastic-A+B: :30 Kgs (20 Kgs+10 Kgs)
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

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 may 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. E. & O.E.
Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

edition: Feb 2023

Revision: April 2023

MC-Bauchemie (India) Private Limited, B-501, Shelton Sapphire, Sector-15, CBD Belapur, Navi Mumbai 400614, India Tel: 022-27563867 / 27570803 / 27572856, e-mail: info.india@mc-bauchemie.in www.mc-bauchemie.in