



Zentrifix GSE

Coarse concrete repair mortar, for manual or spray application

Product Properties

- Polymer modified, hydraulic coarse repair mortar
- One-component
- Hand application by trowel or float
- Spray application by wet-spray techniques
- Complies with concrete Technology Requirements for Building Construction
- Suitable for thickness of 6 to 50 mm
- Excellent adhesion
- Stable on walls and overhead repair areas
- Ideal application and hardening times
- Improved sulphate resistance and low chloride ion penetration

Areas of Application

- Coarse repair of small and large areas in concrete, particularly in building construction
- Repair of big patches and honeycombs
- Repair concrete spalls

Application Notes

General

Zentrifix GSE is a single component ready to use coarse repair mortar, which can be applied by various means explained below. **Zentrifix GSE** is based on high quality cements, well graded sand and other polymer raw materials, therefore develops high quality mortar with good consistency and provides good adhesion with the surface. **Zentrifix GSE** has slightly higher grade as compared to **Zentrifix GM2**.

Advantages

Zentrifix GSE has excellent adhesion to the substrates and is stable for overhead as well as vertical wall applications.

Instructions for use

Surface Preparation

The surface must be clean and free from all loose particles, dust oil and other contaminations. A substrate pull-off strength $>1.5 \text{ N/mm}^2$ is required. The substrate must have sufficient roughness, e.g. sound aggregates should be visible. Before application of **Zentrifix GSE**, the bonding coat, **Zentrifix KMH**, should be brushed into the pre-wetted surface. The coarse repair mortar, **Zentrifix GSE** should then be applied "fresh – on – fresh" to the bond coat by trowel or float.

Mixing ratio

Zentrifix GSE is a single-component mortar, which is mixed with water. The dry mortar is slowly added to the water and mixed thoroughly until a homogenous, lump-free mortar is achieved. Mixing Ratio is 100 p.b.w. **Zentrifix GSE** + 11 to 13 p.b.w. Water.

Hence, for a 30 Kg sack of **Zentrifix GSE** approximately 3.00 to 3.70 Litres of water is required.

As with all cementitious products, the quantity of water added may be varied slightly.

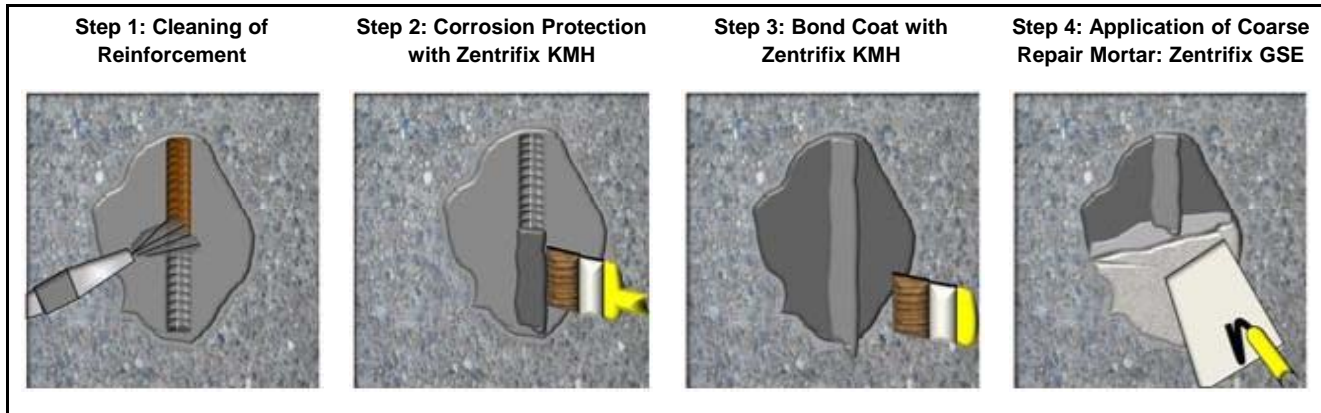
Zentrifix GSE can either be applied by hand with floats, trowels or wet-spray techniques. It is suitable for layer thickness of 6 to 50 mm. If the thickness is greater than 25 mm, the material should be applied in two layers. The second layer should be applied when the first layer has stiffened sufficiently, but is still green. If dry, the first coat should be slightly prewetted and a bond coat with **Zentrifix KMH** has to be applied.

Working time is approximately 45 min at $\pm 20^\circ\text{C}$ and 50% relative humidity. Hardened material should not be re-mixed or applied. Also, hardening material should not be over worked, otherwise cracks may occur. **Zentrifix GSE** should not be applied at temperatures below $+5^\circ\text{C}$ (air and substrate). The temperature should not be allowed to fall below $+5^\circ\text{C}$ during curing.

Care must be taken to ensure that **Zentrifix GSE** is suitably protected to prevent it from drying out too rapidly, especially from the effects of direct sun and wind. As with all cementitious materials, rain or similar rough weather conditions may cause slight surface blemishes. **Curing** is recommended with **Emcoril AC**.

Before application of further coatings loose particles must be removed.

Further Instructions / Precautions



Technical Data For Zentrifix GSE

Characteristic	Unit	Value	Comments
Minimum application temperature	°C	+8°C	
Mixing ratio	Parts by weight	100 :11 to 13	Zentrifix GSE : water
Pot life	Minutes	30	
Consumption	G / m ² / mm	1900	

Product Characteristics for Zentrifix GSE

Type of Product	Coarse graded concrete repair mortar
Form	Powder
Colour	Grey
Shelf Life	12 months from date of Manufacture
Delivery	30 kg sacks
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.

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