



HIND ERS 2115/2118/2120

PRODUCT DATA SHEET

HIGH STRENGTH EPOXY REPAIR MORTAR

DESCRIPTION

Hind ERS-2115/2118/2120 are three component solvent free, fast curing epoxy resin system, which filled into concrete voids/pockets for carrying out structural repairs. The system is insensitive to the presence of moisture, thus allowing application on damp concrete surfaces. The cured resin possesses high mechanical strength, excellent adhesion, non-shrinking properties and a chemical resistance typical of all epoxy resin. Cracks and voids can be successfully sealed by **Hind ERS** mortars. Although **HIND ERS** mortars are supplied in pre-measured quantities according to the mixing proportion component-A Resin, component B-Polyamide Hardener and Component-C Special Aggregate (Graded Silica Sand).

MIXING RATIO	HIND ERS 2115	HIND ERS 2118	HIND ERS 2120
Component A	100 parts by weight	100 parts by weight	100 parts by weight
Component B	50 parts by weight	50 parts by weight	50 parts by weight
Component C	750 parts by weight	900 parts by weight	1000 parts by weight

PROPERTIES

Aspect	Off White	Off White	Off White
Density (Kg/m ³)	2025-2050	2150-2100	2200-2250
Compressive Strength N/mm ² 24 hours at 27 ^o C 7 days at 27 ^o C	Min. 55 Min. 75	Min. 50 Min. 65	Min. 50 Min. 65
Tensile Strength (N/mm ² in 7 days)	10-20	10-20	10-20
Flexural Strength (N/mm ² in 7 days)	20-30	20-30	20-30
Adhesion to Concrete	> 4 MPa approx. @ 20°C (cohesive failure of concrete)		
Adhesion to Sand Blasted Steel	>15 MPa approx. @ 20°C		
Chemical Resistance	Unaffected by a wide range of chemicals, oils etc. for all the three.		
Pot Life	Approximately 50 minutes at 30 ^o C for all the three.		
Shrinkage	Non-Shrink		

APPLICATION

Surface Preparation

The area to be treated should be properly cleaned. The V-groove cut along the cracks, voids, unsound concrete pockets are filled/repared with **HIND ERS** mortar after applying bond coat of a **HIND ERS- 21P**.

Mixing:

Mix all the components – B Polyamide Hardener with Component – A Resin, Add Component –C Special Aggregate and again mix well. Mix for 5-7 minutes using a drill and paddle (maximum 500 R.P.M.) or by manually.

SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 5^o C (Min.) and 30^o C (Max.).

PACKING

18 & 36 Kg Kit or as required

HANDLING PRECAUTION

Hind ERS 2115/2118/2120 are non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

Office:

62B, Braunfeld Row, "VASUDHA", Kolkata - 700027

Tel: 24490839. Fax: 24490849

E-mail: contactus@hindcon.com, hindconchemicals@yahoo.com

Factory:

Baniyara, Jalan Complex, Gate No.3

Howrah – 711 411

www.hindcon.com: