

Technical Bulletin #013-1-INJ

HIGH PRESSURE INJECTION RESIN

**PRODUCT DESCRIPTION**

Pure epoxy resin with very low viscosity and long potlife for structural injections. Adheres unbreakably to the substrate, suitable for both horizontal & vertical applications. This fast epoxy material consist out of 2 components:

- A-component: Low viscosity Epoxy resin.
- B-component: Low viscosity Polyamine curing agent.

**USE & BENEFITS**

- Injecting of structural D-cracking (concrete) under low pressure.
- Injection of micro-cracks.

EMHA INJ is suitable for both vertical and horizontal applications.

**PHYSICAL PROPERTIES**

COMPRESSIVE STRENGTH	>95	N/mm <sup>2</sup>
TENSILE STRENGTH	>35	N/mm <sup>2</sup>
E- MODULUS	2,75	kN/mm <sup>2</sup>
LINEAR SHRINKAGE	Negligible	
ELONGATION AT BREAK	8,5	%
ADHESION TO CONCRETE		Exceeds concrete cohesion
ADHESION TO METAL	>3	N/mm <sup>2</sup>
SPECIFIC WEIGHT	1,1	kg/dm <sup>3</sup>
VISCOSITY AT 25°C	320	mPa·s
LOWEST APPLICATION TEMPERATURE	>5	°C
HEAT RESISTANCE	50	°C continuously
POT LIFE (100 GR.)	30	Min. @ 25°C
CURING TIME AT 20°C	4	Days (mechanical load)
	7	Days (chemical resistance)
COLOR	Amber	

**CHEMICAL RESISTANCE**

Alkali resistant. Resists oil, greases, gasoline, solvents, aggressive gasses and diluted acids.

**APPLICATION METHOD**

- The treated surface has to be dry, clean, dust and oil free
- Glue injection nipples onto crack by using EMHA INJ
- Closing up of crack by using quick-setting cement or polyester filler.
- Mix the pre-dosed components A and B in a mixing vessel, using an electric drill with paddle attachment, until a homogeneous liquid is obtained.
- inject EMHA INJ by using handsprayer or pressure gun.

**PACKAGING**

Set of 1,0 kg:	Comp. A: 0,67 kg	Comp. B: 0,33 kg
Set of 2,5 kg:	Comp. A: 1,67 kg	Comp. B: 0,83 kg

## SAFETY PRECAUTIONS

- Before application of EMHA INJ products, refer to safety and handling instructions on product containers and packages.
- EMHA INJ products have a characteristic odour during application. Adequate ventilation is recommended and all foodstuffs in the immediate vicinity of the application area be either removed or covered.
- Avoid contact with skin. Use rubber gloves.
- High concentration of vapours can cause irritation of eyes, respiratory system and skin. Take care of adequate ventilation.
- EMHA INJ systems are inflammable during application. Smoking and exposure to naked flames are not permitted.

## STORAGE

- EMHA INJ Products must be stored in a dry, well ventilated area between 5- 35° C.
- EMHA INJ Products may never be stored above 35° C.
- EMHA INJ Products should be used within a period of 1 year after production date. In case of doubt, contact EMHA and mention the batch number on the label.
- Do not empty into drains or into the environment.

**General:** Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult EMHA for product availability, additional product information, and technical support.

**Disclaimer:** EMHA Technisch bureau BV makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose. Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. EMHA Technisch bureau BV's sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at own election. Under no circumstances shall EMHA Technisch bureau BV be liable for any indirect, incidental or consequential damages.