



# MC DUR 1264 LP-IN

## Two-component Low Viscos, Moisture Insensitive Epoxy Injection Grout

### Product Properties

- Low viscosity two component epoxy resin Based Duromer Injection
- Unfilled, unpigmented
- Good capillary absorption
- Good adhesion to concrete and steel
- Moisture Insensitive

### Areas of Application

- Structural crack filling of concrete, brick work and similar building materials in Damp to Dry areas
- Suitable for crack width > 0.2mm.
- Suitable for Injection in Damp to dry concrete for Structural strengthening

### Application Notes

#### General

**MC DUR 1264 LP-IN** is a two-component epoxy injection resin for structural repairs of cracks. Application can be carried out through various application methods ranging from simple brush treatment to sophisticated one or two component pressure injection machines

#### Advantages

**MC DUR 1264 LP-IN** has good adhesion to concrete, steel and masonry. It is suitable for crack width greater than 0.2 mm and is ideal for structural crack filling for concrete, brickwork and similar building material.

#### Instruction for use

A variety of application methods can be used, ranging from simple brush treatment to sophisticated one-component pressure injection machines. Pressure injection can be carried through adhesion packers (up to 60 bars) and bore packers (up to 500 bars), when using adhesion packers; the surface should be dry and sound. Laitance, loose materials and contamination must be removed with suitable tools. Any dust should be blown away with dry compressed air.

If the structure is subjected to dynamic loading the adhesion packers should be fixed and the crack face sealed. When using bore packers, drill dust must be removed from the bore surface with compressed air as above or by using an industrial vacuum cleaner or other suitable techniques. Filling of cracks without pressure is ensured by capillary action wider cracks can be filled by under pressure injection achieved with the single component injection machine

#### Mixing

**MC DUR 1264 LP-IN** is supplied as base and hardener. For impregnation or injection with the single-component machine like MC-I 500, the base and hardener should be mixed with a slow stirring paddle. After mixing the material should be filled into a clean container and briefly mixed again.

The application time of **MC DUR 1264 LP-IN** depends on the amount mixed and the ambient temperature. When using the two-Component injection machine, the base and hardener should be poured into their respective supply reservoirs.

They will get mixed in the mixing chamber of the injection gun. In the event of an extended interruption, the mixing head should be cleaned using appropriate cleaning agent.

#### Conditions of Application

When filling the cracks, the temperature of the structure should not drop below +10°C

#### Safety & Precaution

For all work with injection resins the appropriate protective clothing (safety glasses and gloves) should be worn. The unmixed hardener is highly alkaline and a skin irritant. It must not come into contact with the skin, especially the mucous membranes.

If resin gets into the eyes it should be removed immediately using an eyewash. Suitable eyewash should be kept on the building site at all times. Medical advice should be sought immediately.

#### Cleaning

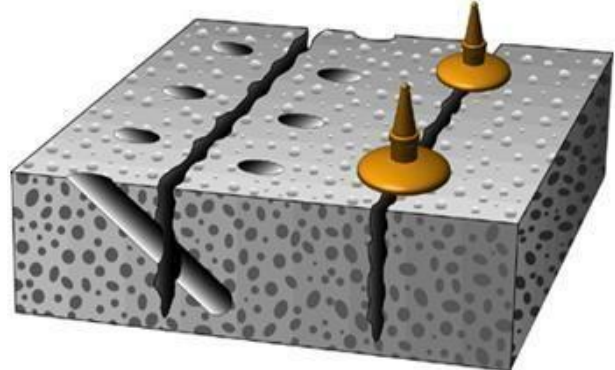
All injection machines can be cleaned with **MC-Thinner EP** on completion of work or any extended break.

## Further Instructions / Precautions

Application Machinery



Application Methodology



### Technical Data For MC DUR 1264 LP-IN

Characteristic	Unit	Value*	Comments
Density at 30°C	kg/lit	1.100	±0.03
Pot life of 100g mass	Minutes	≥50	at 30°C
Minimum application temperature	°C	>+10°C and <+40°C	
Mixing ratio	P.b.w	0.8:0.2	Resin: Hardener
Viscosity	cps	~250	@ 30°C (Mixing of Part A and part B)
Compressive strength	N / mm <sup>2</sup>	≥65	7 Day at 30°C as per ASTM C579
Tensile strength	N / mm <sup>2</sup>	>20	7 Day at 30°C as per ASTM D 638
Full Dry	Hrs	24	

### Product Characteristics for MC DUR 1264-LP

Colour	Clear Pale yellow
Cleaning agent	MC-Thinner EP Water or water-based cleaners must not be used under any circumstances
Delivery	0.800 kg Resin and 0.200 kg Hardner And 8kg Resin and 2 Kg Hardner
Self life	12 Months
Storage	Can be stored in original sealed packages at temperature between +5°C and +35°C in dry conditions for at least one year. The same requirements are valid for Transport
Disposal	Packs must be emptied completely.

### Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

**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 binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition:** - MC/IND/R1/DEC2020, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.