

# MAXCIS INJ-42

## *Two Component, Epoxy Based, Injection Material*

### DEFINITION:

- Epoxy injection material used to strengthen fractures and cracks in structures
- Does not contain solvents or fillers
- Low viscosity



### USAGE AREAS:

- Columns
- Beams
- Walls
- Stone or solid brick structures
- Retaining walls
- Tunnels



### TECHNICAL FEATURES:

Test Name	Unit	Value
Density of Mixture (25°C)	g/cm <sup>3</sup>	1,10 ± 0,05
Viscosity	mPa.s	200-300
Adhesion Strength	N/mm <sup>2</sup>	2
Compressive Strength	N/mm <sup>2</sup>	>65
Bending Strength	N/mm <sup>2</sup>	>25

\* The tests were carried out under laboratory conditions at 25°C. Values may vary under different temperature and humidity conditions.

### MIXING RATIO OF COMPONENTS:

	By Weight
Component A	2 units
Component B	1 unit

**SURFACE PREPARATION:**

- The cracks to be applied must be dry and clean.
- Injection packers are bonded to the center of the crack with an epoxy-based adhesive at 20 cm intervals.
- The crack is plastered with an epoxy-based product to ensure sealing.
- The adhesive and plaster used must be completely dry before the injection process.

**APPLICATION:**

- Components A and B should be mixed with a low speed mixer until a homogeneous mixture is obtained.
- The prepared mixture is waited to remove air bubbles before application.
- The prepared mixture is injected into the crack with an injection pump.
- The injection process should be done from bottom to top.
- The product is continued to be injected until the pressure in the injection machine does not decrease.

**PACKAGING:**

- Component A 4 kg/bucket, Component B 2 kg/bucket. Total 6 kg/set

**SHELF LIFE AND STORAGE:**

The components of MAXCIS INJ-42 are sensitive to humidity and temperature. Therefore, they should be stored in original, unopened and undamaged packages, in dry environments away from direct sunlight.

	Unit	A Component	B Component
<b>Shelf Life</b>	month	12	12
<b>Storage Temperature</b>	°C	15-25	15-25

**WARNING:**

- Before using the product, read the MSDS form carefully and follow the written instructions.
- Personal protective equipment should be used during application.
- There must be sufficient air circulation in the application area.
- Give empty buckets to organizations authorized to collect hazardous waste.