

# ALEXGROUT EP- INJECT

Low Viscosity, Epoxy Resin Injection Grout



## Description

**ALEXGROUT EP-INJECT** is a two component, solvent free-low viscosity **ALEXGROUT EP-INJECT** is formulated from high strength epoxy resin and hardener for concrete injection to fill its cracks and cavities.

## Uses

- Used where the concrete structure need to be strengthened because of cracks existing to increase its compressive strength.
- Floor and roof slabs.
- Columns, beams.
- Foundations, abutments.
- Retaining walls.

## Advantages

- Suitable for use in dry and damp surfaces.
- Fill the cavities and joint and hence increase the impermeability.
- Solvent free(100% solid).
- Excellent bond strength to concrete and steel.
- Low viscosity which enable for reaching a deep crack in concrete.
- High mechanical properties.
- High chemical resistant to acids, chlorides and most other chemicals and salts.

## Properties

<b>colour</b>	Transparent liquid	
<b>Pot life</b>	70 min	20°C
	30 min	35°C
<b>Specific gravity</b>	1.05	20°C
<b>Tensile strength</b>	60 N/mm <sup>2</sup>	
<b>Compressive strength</b>	85 N/mm <sup>2</sup>	
<b>Shear strength</b>	40 N/mm <sup>2</sup>	
<b>Water absorption</b>	0.001	
<b>Elongation at break</b>	3.00%	
<b>Bond strength after 15 days cure</b>		
<b>To concrete</b>	40 N/mm <sup>2</sup>	

## Guide to application

### **Application:**

- Remove all looses, dust, dirt surrounded the cracks.
- Drill holes in concrete with approximately distance (30cm-40cm) depend on crack width.
- Erect a hose in concrete in holes.
- Fill surrounds holes by ALEXPLUG.
- Confirm filling the crack by getting the material from the next hole.

**Mixing:**

Add component (B) to component (A) and mix by using a low speed drill or by hand mixing in dry container suitable for the mixed quantity.

**Standard:****Tensile strength**

ASTM D-638

**Elongation**

ASTM D-638

**Compressive strength**

ASTM D-695

**Water absorption**

ASTM D-570

**Linear coefficient of shrinkage**

ASTM D-2566

**Bond Strength**

ASTM C-882

**Coverage:**

5 Kg of **ALEXGROUT EP-INJECT**

Will yield 2.50 lit

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

**Storage:**

Store in non humid shaded areas.

**Packing:**

Two components 5 kg packs

**Shelf life:**

Up to 12 months if stored in unopened Containers according to the manufactured instructions.

**Safety precautions:**

Avoid contact with eyes, mouth, and skin.

Treat splashes to skin and eyes immediately,

If accidentally ingested seek medical assistant.

**HEAD OFFICE:**

33 Elamgad St, Miami, Alexandria

[www.alexchem.net](http://www.alexchem.net)

info@alexchem.net

Tel/Fax: +203-5566791

Mob: +20173745566

**FACTORY:**

ELNahda, Karnak-Amraya

Tel: +203-9680828

Fax: +203-9680830