



**3-PART, EPOXY BASED GROUT**

**DESCRIPTION**

ADHEREX - 16 is a three -Part, high performance , high precision , low exothermic, pourable, and solvent-free, and epoxy grouting system. For use at ambient temperatures between +10°C to +35°C.

**USES:**

**A High-Strength grouting and fixing of:**

Starter bars, Anchors, Fasteners, Tie rods, Crash barrier posts, Fence and railing posts.

**Under-grouting and bedding of :**

Base plates, Machine bases, Seat base-plates for light and heavy machinery including heavy impact and vibratory machinery, reciprocating engines compressors, pumps, presses etc, Bridge bearings, Mechanical Joints (i.e. road/ bridge/deck types etc)

**Sleeper-less, direct rail fixing:**

Crane tracks, Light rail and permanent way in tunnels, Light rail and permanent way over bridges.

**Characteristics/ Advantages**

High Early Strength, Ready-to –mix / Pre batched units, Non-shrink Corrosion and chemically resistant, Stress and impact resistance, High Compressive Strength, High Vibration resistance, Low coefficient of thermal expansion.

**PRODUCT DATA:**

- Colours
- Part A: Transparent Light Brown
- Part B: Transparent Dark Brown
- Part C: grey
- Part A+B+C mixed: Concrete grey

**TECHNICAL DATA**

- Chemical Base : Epoxy resin.
- Mixed Density : 2000 kg/m<sup>3</sup> at +27°C
- Layer Thickness: Minimum grout depth: 10mm & Maximum grout depth: 40mm

**MECHANICAL / PHYSICAL PROPERTIES**

Compressive Strength  
(According to ASTM C 579)

Curing time	Curing temperature(+30°C)
1 day	~40 N/mm <sup>2</sup>
3 days	~50 N/mm <sup>2</sup>
7 days	~65 N/mm <sup>2</sup>

- Flexural Strength ~25 N/mm<sup>2</sup> (7 days / +30°C)  
(According to EN 196)
- Tensile Strength ~12 N/mm<sup>2</sup> (7 days / +30°C)  
(According to ASTM D 638)
- Bond Strength > 11 N/mm<sup>2</sup> (concrete failure)  
(slant shear)  
(According to ASTM C882)

**SYSTEM INFORMATION** (Application Details)

**Consumption / Dosage :** 2000kg /m<sup>3</sup>

**Substrate Quality :** Verify the substrate strength (concrete, masonry, natural stone). the substrate surface (all types) must be clean and free from Contaminants such as dirt, oil, grease, existing surface treatments and coatings etc. Steel substrates must be de-rusted. The substrate must be sound and all loose particles must be removed.

**Packaging**

- 15 kg (A+B+C) : Pre-batched unit
- Part A: 2.00 kg plastic container
- Part B: 1.00 kg plastic container
- Part C: 12.00 kg bag

**Storage :** 12 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +10 °C and +35 °C. Protect from direct sunshine.

**APPLICATION INSTRUCTIONS**

Mixing : Part A : B : C = 2 : 1 : 12 by weight (Standard)

