

Zepoxy LEEG-10 is a solvent free, three component, free flow epoxy grout designed for mass grouting. Due to its low exothermic reaction, it is particularly suitable for grouting at high ambient temperatures. **Zepoxy LEEG-10** can be used for grouting heavy machinery base plates, compressors, generators, turbines, centrifugal pumps, bolt pockets, Crain rails, bridge bearing, stanchion (Steel column) base plates reprofiling-waterproofing of pile and areas where rotary / reciprocator movements are encountered. It is used as a grout media to transfer dynamic load effectively. Ideal for chemical plants, refinery, oil and gas, water industry and structural encasing.

ADVANTAGES

- ✓ Prepacked, ready to use.
- ✓ Solvent free, no shrinkage.
- ✓ High mechanical strength.
- ✓ Can be used for 30mm to 300mm in a single layer without generating excessive exotherm.
- ✓ Curing is not affected by high humidity.
- ✓ Impact and vibration resistant.
- ✓ Good chemical resistance.
- ✓ Good adhesion to most of the surfaces.

SURFACE PREPARATION

All surfaces should be dry, clean, free from standing water, grease, curing compounds, mold oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surface with chipping to ensure good bonding. Steel surfaces must be clean and rust free.

MIXING

Mix base and hardener roughly with a slow speed drill (Max 400 rpm) for 1 minute in a suitable container. Add filler component slowly and continue mixing until a flowing uniform color is achieved.

FORMWORK

The formwork should be watertight. Sealant can be used to seal gaps between formwork and the concrete, as well as joints in the formwork. Alternatively, a suitable plugging material can be used to fill the gap between formwork and concrete.

TECHNICAL PROPERTIES @ 25°C

Property	Test Method	Value	
Component	-	Three:	Part A - Base Part B - Hardener Part C - Filler
Mixed Form	-	Flowable Paste	
Color	-	Grey when mixed	
Mixed Density	-	2.1 kg/ltr +/- 0.05	
Compressive Strength	BS 6319-2	3 Days	50 N/mm ²
		7 Days	95 N/mm ²
Flexural Strength	BS 6319-3	7 Days	30 N/mm ²
Tensile Strength	BS 6319-7	7 Days	15 N/mm ²
Bond Strength	ASTM D 4541	7 Days	>2.5 N/mm ²
Pot Life	-	100-120 mins (2 KG Mixed Material)	
Chemical Resistance	ASTM D 543	Resistant to alkalis, fuels, acids, oils, etc.	

Typical Results under laboratory conditions

APPLICATION

Place the mixed grout within the pot life of the product. Bolt pockets should be glued first. Stop the grout 5mm to 10mm below the top surface of the bolt pocket. Grouting of the base plate should be carried out continuously. Ensure to have enough grout in place prior to starting. Start pouring the mixed grout from one side of the formwork to prevent entrapping of air. This can be achieved by pouring the grout to the shortest distance. During application ensure entrapped air is released through relief holes. Maintain continuous head during the grouting. Grout flow should be interrupted. Check for any grout loss through the form work or between unsealed joints. Plug the same using a suitable water plug. For difficult voids a metal strap or chains may be used to assist grout flow.

NOTE:

Zepoxy LEEG-10 can be applied from 30mm to 300mm thickness in a single layer. Grouting more than 300mm thickness would be done in multiple layers as per site requirement. Before continuing with the second layer of grouting, ensure the previous layer has hardened and cooled.

SHELF LIFE AND CLEANING

12 months from date of manufacturing when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life. Clean all equipment and tools with a suitable cleaner immediately.

HEALTH AND SAFETY

Gloves goggles and suitable masks must be worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. This material is regarded as nonhazardous for transportation. Do not reuse containers. To be disposed as per local rules and regulations. Refer to product MSDS for further information.