



NanoGrout EG

High Strength Epoxy Resin Grout

DESCRIPTION

NanoGrout EG is a solvent free, highly flowable, three component epoxy resin grout specially designed for heavy engineering grouting where dynamic loads are encountered.

USES

NanoGrout EG is specially designed for grouting where mechanical and chemical properties are of utmost importance. It can be used for grouting heavy machinery base plates, compressors, generators, turbines, centrifugal pumps, bolt pockets, crane rails, bridge bearing, stanchion (steel column) base plates, pile head reprofiling and areas where rotary/reciprocatory 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, structural encasing, etc.

ADVANTAGES

- Pre packed, ready to use
- Solvent free, no shrinkage
- High mechanical strength
- Can be used from 10 mm to 75 mm in single layer without generating excessive exotherm
- Curing is not affected by high humidity
- Impact and vibration resistance
- Good chemical resistant
- Good adhesion to most of the surfaces

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE	
Component	-	Three: Part A- Base	
	-	Part B- Hardener	
		Part C- Filler	
Mixed Form	-	Flowable	
Colour	-	Black when mixed	
Compressive Strength	BS 6319-2	1 Day	65 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	16 N/mm ²
Bond Strength	ASTM D4541	7 Days	> 2.5 N/mm ²
Pot Life	-	45 mins (2 kg Mixed Material)	
Chemical Resistance	ASTM D 543	Resistant to alkalis, fuels, acids, oils, etc.	



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SURFACE PREPARATION	All surfaces should be dry, clean, free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding. Steel surfaces must be clean and rust-free.	
MIXING	Mix base and hardner thoroughly with a slow speed drill (max 400 R.P.M.) for 1 minute in a suitable container. Add filler component slowly and continue mixing until a flowing uniform colour and consistency of grout 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, MoyaProof Plug can be used to fill the gaps between formwork and concrete.	
APPLICATION	<p>Place the mixed grout within the potlife of the product. Bolt pockets should be grouted first. Stop the grout 5-10 mm below the top surface of the bolt pocket. Grouting of 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 able to escape through relief holes. Maintain continuous head during the grouting. Grout flow should not be interrupted. Check for any grout loss through the formwork or between any unsealed joints. Plug the same using MoyaProof Plug.</p> <p>For difficult voids, a metal strap or chains may be used to assist grout flow.</p> <p>Use pumps or tremmie to fill bolt pockets.</p>	
PACK SIZE	10 ltr and 20 ltr set	
NOTE	<p>NanoGrout EG can be applied from 10 mm to 75 mm thickness in single layer. Grouting more than 75 mm thickness should 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. For grouting volume of more than 100 ltr at one go, to avoid excessive exotherm, use NanoGrout EGLE.</p>	
GENERAL INFORMATION	Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	Cleaning	Clean all equipments and tools with Conmix Cleaner immediately after use.
HEALTH and SAFETY	PPE's	Gloves, goggles and suitable mask must be worn.
	Precautions	Contact with skin, eyes, etc. must be avoided.



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	If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request.)

TECHNICAL SERVICE

CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.

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