

High Quality flow able Epoxy resin grout anchoring of reinforcing steel bar.

DEFINITION

Novo Grout EP are three components based on solvent free epoxy resin designed for free –flow grouting and anchoring under baseplates, turbines, and others machines where heavy dynamic loads.

Novo Grout EP is complied with BS EN 1504-3 GLASS R 4 and BS EN 1504 -6

ADVANTAGES

1. Easy in application.
2. High compressive, tensile and flexural strength
3. Vibration resistant.
4. Resist to repetitive dynamic load
5. High creep resistance under permanent load.
6. Non –shrink, ensuring complete surface contact and bond

FIELDS OF USE

Novo Grout EP is used for grouting under the following

- 1- Heavy crane and transporter crane rail.
- 2- High speed turbines
- 3- Drop forge
- 4- Anchoring of steel bars
- 5- Electroplating and chemical plants

PROPERTIES @ 25 C°

Color	Grey, Sand color
Specific gravity (mix)	2.0 ± 0.20
Solid content by (WT)	100 %
Mixing Ratio	1.7 A: 1 B: 11 C
Pot life	35 – 45 min
Temp. of Application	(15 – 35) C°
Full curing time	7 days
Compressive strength (7 days) (BS 6319)	85-90 N/mm ²
Tensile strength	75 N/mm ²

DIRECTIONS OF USE

✓ Foundation surface

• all contact surfaces must be free from oil, dry and free from all contaminants that may be affected the adhesion strength like dust, oils and grease, wax, cement laitance, dust, old paints. All these and any other contaminants must be removed by scrabbling, sandblasting.

• Concrete surfaces should be cut back to a sound base either by grit blast or light scrabble.

• All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

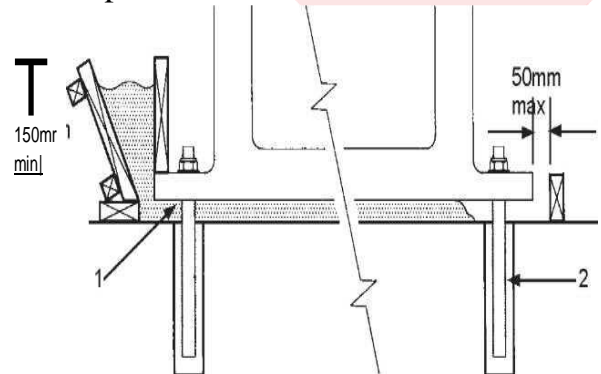
✓ Formwork

▪ The formwork should be constructed to be leak proof as **Novo Grout EP** product to be free –flowing grout, loss of grout once the materials is placed but not hardened that will result in incomplete filling of the gap.

▪ For free – flow grout conditions, it is important to provide a hydrostatic head of grout to achieve this, a feeding hopper system should be used.

Example: of **Novo Grout EP** to individual rail

Baseplate



2 * lokfix

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✓ Mixing and application

- Add comp **B** (ensure all liquid of comp **B** is added) to comp **A** mix well, Mixing may be carried out manually or mechanically then add comp **C** gradually with stirring.
- When a smooth, even consistency is achieved the grout is ready for use.
- Pour **Novo Grout EP** into prepared gap, holes and surface then allow it for self-leveling.
- Air holes or breather pipes should be fitted to formwork where entrapment of air may occur, so should be sure there is not any air is entrapped down bolts or plates where this effect on adhesives and strength of grout. Holes should be primed by **Novo Prime 150 L.V** if required
- Pour **Novo Grout EP** continuously until the fluid rises above the level of base plate.
- Do not dilute **Novo Grout EP** with any thinner.
- Remove any excess grout before full setting.
- Clean all tools immediately after using by **Novo Sol T 9**.

STORAGE

One year under suitable storage conditions.

PACKING

Group (A +B+ C) = 6 KG & 10 KG

HEALTH AND SAFETY

- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations in case of spray applying.
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then ask for medical advice.

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