

High strength two components epoxy anchoring grout.

DEFINITION

Novo Anchor PG is two components solvent, free epoxy resin anchoring and bedding grout.

It is contained high performance epoxy resins and especially selective graded aggregates and additives to provide excellent anchoring strength.

Novo Anchor PG complies with ASTM C881: Type VV

ADVANTAGES

1. Easily applied.
2. High strength.
3. Vibration resistant.
4. Good chemical and Corrosion resistant.
5. Economical.
6. Non-sag in vertical and overhead applications.
7. High creep resistance under permanent load.
8. Shrinkage free-curing.

FIELD OF USES

1. Pile cap / pile head encapsulation and ensure water tightness.
2. Grouting under bridge bearing plates and machine bases gravities in concrete.
3. Anchoring of cranes, towers and dock sills.
4. Anchoring in concrete, brick work masonry and rock.
5. Installation of reinforced concrete starter bars foundation.
6. Bolts and railway tracks.

PROPERTIES @ 25 C°

| Color | Grey |
|---|---------------------------------|
| Specific gravity (mix) | 1.85 ± 0.05 |
| Solid content by (WT) | 100 % |
| Mixing Ratio | 15.4 A: 1 B |
| 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 | 13.6 N/mm ² |
| Shelf life | One year in suitable conditions |

DIRECTIONS OF USE

✓ Hole preparation and formation

- The substrate must be clean, 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 this and any other contaminates must be removed by scrubbling or sandblasting.
- Hole's diameter is 4 mm plus the bar diameter and the depth of the holes is 10 times the Hole diameter according to ACI specification.
- **Holes or substrate should be primed by epoxy primer like Novo prime 150 L.V if required**

If parallel sided holes are cast, they should be rough to provide adequate keying.

✓ Mixing and application

- Added comp **B** (ensure all liquid of comp B is added) to comp **A** and mix well, Mixing may be carried out manually or mechanically.
- When a smooth, even consistency is achieved the grout is ready for use.
- pour **Novo Anchor PG** into prepared holes or surface and allow too self-leveling.
- Air holes or breather pipes should be fitted to formwork where entrapment of air may occur, so it should be sure that there is not any air is entrapped down bolts or plates where it has an effect on adhesives and strength of grout.
- Pour **Novo Anchor PG** continuously until the fluid rises above the level of base plate.
- Do not dilute **Novo Anchor PG** with any thinner.
- Remove any excess grout before full setting.
- Clean all tools immediately after using by **Novo Sol T 9**

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STORAGE

Storage should be in closed pack and in dry conditions not in direct sun (10-30) C°

PACKING

Group (A +B) = 1 kg

HEALTH AND SAFETY

- Wear protective clothes, gloves, glasses and face protection.
- Good ventilations incase application by spraying
- For skin contact, remove it with suitable cream followed by soap and water cleaning.
- For eye contact, rinse with plenty clean water then seek to medical advice



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