



DURAXYGROUT

High Strength Pourable/Free-Flow Epoxy Grout

Description & Use:

DURAXYGROUT is a pourable /free-flow epoxy grout. It is formulated to provide an easy, fast and sure system for grouting holding down bolts and fixing, anchor bolts, machine beds like heavy crane and transporter rails, high speed turbine and centrifuges, columns, bridge beams, holes in concrete, reciprocating machinery and other test equipment subject to heavy dynamic and mobile load.

DURAXYGROUT is available in three grades:

- **DURAXYGROUT L** : Gap between 25 mm. and 50 mm.
- **DURAXYGROUT S** : Gap between 10 mm. and 30 mm.
- **DURAXYGROUT LV** : Gap between 0.20 mm. and 10 mm.

DURAXYGROUT L & S are both fillerised and supplied as three pack-systems consisting of **Pack A** (Liquid Base), **Pack B** (Liquid Hardener) and **Pack C** (Additive incorporated special grade of Aggregate).

DURAXYGROUT LV is supplied as two-pack system of low viscosity material consisting of Pack A (Liquid Base) and Pack B (Liquid Hardener).

Special Feature:

- Fast and Accurate Fixing : Holding down bolts and machines may be grouted to any tolerance, before and after positioning.
- Dynamic load Resistant : Designed for service under severe operating condition.
- High Bonding Strength : High strength Epoxy Resin – adhesion to all contact surfaces.
- High Strength : High compressive, Flexural and tensile strength.
- High Chemical Resistant : To acids, alkalies and water of aggressive salts.
- Non-Shrink : No loss of surface contact or bond.
- Durability : Well proven for over decades.
- Versatility : Grades for cold and hot weather and also normal ambient conditions are available. Can be used in dry, wet or damp conditions/no standing water.

Application:

Surface Preparation: Concrete should be a minimum of 3-4 week's old. Surfaces should be sound, clean and free of oils, grease or other contaminants. Laitance should be removed from concrete by mechanical means. Metal surfaces must be well-brushed or blasted to remove all traces of rust. Bolts and metal surfaces should be degreased.

Mixing: Mix all the hardener (slightly ambered coloured **Pack B**) into slight yellow coloured base (**Pack A**) add the **Pack C** (special aggregate) and mix well. Mix so as not to entrap air into the product. Mix for 2-3 minutes, using drill and paddle (max. 500 RMP). Mix only sufficient material for immediate requirement, leave the thoroughly mixed material to stand for 2 or 3 minutes to enable entrapped air to escape from the mix and then use as quickly as possible.

Cleaning: Tools should be cleaned with **Duraxy** cleaner (every 30 minutes). **Duraxy** cleaner is flammable. Hardened material should be removed mechanically.

Technical Data (Typical):

Colour of mixed material : Beige
 Viscosity : Similar to thick paint
 Density of Grout L & S : 1950 ± 80 kg./m³
 Density of Grout LV : 1050 kg./m³

At 27° C, kg./m ²	Compressive Strength			Flexural Strength	Tensile Strength	Youngs Modulus
	1d	3 d	7 d	7 d	7 d	
Grout L	800	850	870	360	165	16,000
S	750	770	800	370	145	16,000
LV	400	500	650	540	265	1,600

Consumption of Mixed Material:

For **Grout L & S** : 1.95 to 2.05 kg./L
LV : 1.06 to 1.10 kg./L

Pot Life : The time for which the mixed material remains fluid will vary with atmospheric surrounding temperature.

Grout L & S : 30° C : 30 mins.
 25° C : 45 mins.
 20° C : 65 mins.
Grout LV : 30° C : 30 mins.
 25° C : 45 mins.
 20° C : 65 mins.

Important : **Duraxy Grout L, S & LV** should not be kept in bulk longer than pot life, as substantial heat will develop. Exothermic.

Shrinkage during cure : Negligible.

Storage : 12 months if kept unopened.

Health & Safety : **Pack A & Pack B** are inflammable.

Packing : **DURAXYGROUT L & S : Pack A + Pack B + Pack C** : In 5 litres pack
DURAXYGROUT LV : Pack A + Pack B : In 1 litre pack.

Flow Characteristics:

The following table may be followed as guideline for the distance of flow :

1	Temperature	Gap Width(mm)	Head (mm)	Maximum flow (mm)
DURAXYGROUT L	30° C	20	100	1200
	20° C	20	100	600
S	30° C	15	100	900
	20° C	15	100	400

DURAXYGROUT LV: Flow is determined by gap width and pressure applied.

IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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