

DON GROUT-IP

PRODUCT FEATURE

DON GROUT-IP is a high strength, fast curing polyester resin anchoring grout. The material consists of a filled polyester resin blend and an organic peroxide catalyst. Its conforming to BS: 6319 Part- 2, 3, & 7,

DON GROUT-IP can be used for the permanent installation of reinforced dowelling and starter bars, handrails, safety fences, wall ties, railway tracks and ground anchors. The product can be used for fixing into concrete, concrete block, brickwork, aerated block and stone.

MATERIAL SUPPLIED: - 1, 2.5 and 10 Kg. pack.

STORAGE: - Protect from frost and stored under dry warehouse condition at a temperature between 10 °C and 25°C.

SHELF LIFE: - Approximately 6 months if stored in unopened bags and under good storage conditions.

TECHNICAL INFORMNATION:-

	Color	Light grey
	Density gm/cc	1.9
Pot Life	@10 ⁰ C	45 minutes
	@20 ⁰ C	20 minutes
Compressive Strength @20⁰ C (N/mm²) (BS6319 Part 2:1983)	1 hour	65
	3 hour	85
	24 hour	114
Tensile strength (N/mm²) (BS6319 Part 7:1985)	@20 ⁰ C 7 Days	18
Flexural Strength (N/mm²) (BS6319 Part 3:1990)	@20 ⁰ C	27.4
	Application Temperature range (0 ⁰ C)	0-30

Typical tensile Pull out Strength to (BS5080 Part 1: 1974)

Stud Size (mm)	Hole diameter (mm)	Typical Embedment depth (mm)	Tensile failure Load (kn)	Shear Failure Load (kn)
10	14	75	31.9	23
12	16	100	52.8	31
16	20	125	83.7	63.1
20	25	150	117.6	85.4

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PREPARATIONS: - Holes should be drilled using rotary percussive drilling techniques. If diamond drilling is used, holes should be scabbled or under-reamed. If these precautions are not taken the smooth finish obtained from diamond drilling can be lead to reduced pull-out strength.

After drilling, holes be brushed and blown out twice, to remove all drilling debris.

MIXING: -DON GROUT-IP comprises two components base and a catalyst filler which are supplied pre-weighted in the correct proportions.

When required for applications, the two components should be mixed well, preferably using a mechanically stirrer until a uniform consistency is obtained.

APPLICATION: - The mixed grout should be poured or pumped steadily into the prepared holes well within the gel time. It should be injected to the bottom of the hole to avoid air entrapment. The bar or bolt should then be inserted into the hole to the require depth using a twisting motion.

GENERAL INFORMATION:- The strength of the cured :- DON GROUT-IP permits the assembly of anchors of high loadings. The ultimate load will be governed by:-

Strength of substrate

Length and resin bond to bar

Type and dimension of bar

Anchor separation

Hole Preparations

The specified pullout strength and safe working loads were obtained on single fixings with spacing of at least twice the embedment depth. In close to edges, appropriate reduction in the safe working load should be made.

GENERAL GUIDENCE: - This data sheet is for general guidance purpose only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from Technical Department

TECHNICAL COLLABORATION WITH



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