



ADHERE BONDS - ANCHOR SET POLYESTER RESIN BASED GROUT

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DESCRIPTION

Adhere Anchor Set Grout is polyester resin based grout material suitably blended with a hardening compound and fillers and supplied as a pre measured, two part, resin grout. After hardening, the grout has high Adhere mechanical properties. Adhere Anchor Set Grout is used where the difference between the hole diameter and bar diameter is $\leq 25\text{mm}$.

USE

Adhere Anchor Set Grout is used for high strength corrosion resistant anchoring of bolts and bars from 12 – 25mm diameter into concrete, rock, masonry or brickwork where high speed of installations and early application of load is required. Permanent installation of reinforcement starter bars, foundation bolts, base plates, barriers and safety fences, railway tracks, tieback anchors, reinforcement dowelling abutments, ground anchors for towers, cranes, dock sills.

FEATURES & BENEFITS

- Rapid Strength gain
- Vibration resistant
- Corrosion resistant Non expansive
- Can be placed under water

PROPERTIES

Color	Dark Brown
Pot Life @ 25°c	10 – 15 Minutes
Mix Density @ 25°c	1.9 – 2.0 g/cc
Consistency	Flow able

Compressive Strength :

After the minimum time required before loading the grout typically attains a compressive strength in excess of 20N / mm² and an ultimate compressive strength of 60N / mm² in 7 days.

Chemical resistance:

The cured resin is resistant to fresh and salt water, petrol Oils, grease and mineral acids, and mild alkalis.

DESIGN CRITERIA

The high strength of the cured resin permits strong anchors to be created. The ultimate bond strength developed depends upon:

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

- Strength of host material
- Length of resin bond to bar
- Hole preparation and formation
- Type and dimension of bar

Bar dia. mm	Hole Dia.	Minimum	Hole	Depth	(mm)
12	20	280	250	225	200
16	20	490	455	400	355
20	25	615	555	500	440
25	32	750	675	615	540

APPLICATION INSTRUCTIONS

Hole preparation and formation

Optimum performance of Adhere Anchor Set Grout requires rough sided, dust free holes.

Bar preparation

All bars should preferably be degreased and all flaky rust removed.

Mixing

A complete pack of resin and catalyzed filler should be mixed in one operations. Mixing may be carried out mechanically. When a smooth, even consistency is achieved the grout is ready for use and should be placed well within the gel time of the grout. Packs have been designed to produce practical and economic volumes of grout. Do not attempt to mix partial pack components.

Installation

The grout should be poured steadily into the prepared holes. The anchor bar is then pressed into the hole to the required depth. Slight agitation of the bar with assist in achieving a complete bond. The bar should then be left undisturbed in the required position until the resin is set.

CLEANING

Immediately after application of Adhere Anchor Set Grout, clean the tools, equipment and the mixing container using solvents.

PACKING

Adhere Anchor Set Grout – 1 Kg (Liquid + Powder)

STORAGE & SHELF LIFE:

shelf life of 6 Months in the original packing.

