ArmGrout HF-V

(Formerly known as MYK Anchor HF 66V)

Polyester Resin Anchor Grout for Vertical application

MYK arment®

TECHNICAL DATA SHEET

Product Description

ArmGrout HF-V is polyester based three component resin system specially made to give excellent anchorage. ArmGrout HF-V can be used up to an anchor size of 25mm Diameter into concrete, rock, masonry or brick work where high speed of installation and early application of load is required. ArmGrout HF-V recommended for all vertical applications.

Uses

- High strength corrosion resistant anchoring of bolts, reinforcement bars of different dimensions from 12 to 25mm
- Rock bolting (in tunnels etc.)
- Fixing of foundation bolts
- Permanent Installation of reinforcement

Features and Benefits

- Rapid Strength gain
- Corrosion resistant
- Non expansive
- Can be applied even underwater
- Good thixotropy consistency
- Vibration resistant

Application Methodology

Method of Use: Hole preparation:

For optimum performance of the ArmGrout Anchor grout the hole should be rough sided &dust free holes, can be clean by water, cast hole should preferably be inverse dovetail configuration.

Bar preparation:
Bar should be free from oil and grease, and all flaky rust Should be remove.

Mixing:
The t-agent and Resin tube mix first, after proper mixing of the same add the modified filler in mix mass, it should be thoroughly mixed preferably by a mechanical mixer (maximum for 2 to 3 minutes) until a uniform mixture is obtained. As the working pot life is very less (approx. 10minutes), need to place the material immediately after the thoroughly mixing.

Placing:
The required quantity of the material ArmGrout HF-V should be poured gradually into the cleaned hole and the bolt or reinforced rod is pressed with twist rip action into such that it touches the bottom of the hole and then the resin grout fills the annular space.

Slight agitation of the bar or rod will help in achieving complete bond

Once the bolt or rod is in position under any circumstances it should not be disturbed and it should be allowed to set.

Cleaning:
Any mixing tools etc. should be cleaned within the pot life of the grout. FloArm Tool Clean can be used for this purpose

Quantity Estimating Guide:

Table mentioned below indicates approximate weight of ArmGrout HF-V grout required in grams for 100 mm hole depth.

Hole diameter in MM	Bolt / bar diameter in mm			
	12	16	20	25
20	50	0	--	--
25	100	80	--	--
32	160	140	120	80
38	--	240	200	150
45	--	--	300	260
50	--	--	--	360
62	--	--	--	--

* Wastage of 25% considered in above consumption estimates
* If the anchor is in very old concrete, masonry or brickwork the wastage factor should be increased.

The above figure is calculated for 100 mm deep hole.

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Technical Data

Description	Three components pre-weight system
Consistency of the mixed material	Flow able
Colour	Dark brownish grey
Mixed density at 30°C	1.90 -2.00 gm/cc
Pot life Temp (^{0}c) 20 30 40	Gel time(min) Approx.20 minutes Approx.12 minutes Approx.08 minutes
Compressive strength @30°C (BS6319 Part2: 1983) 3 hrs: Minimum 7 days: Minimum	 30 N/mm2 60 N/mm2
Minimum curing required before loading At 30°C At 20°C	 3hrs 8 Hrs

Chemical Resistance:

The cured resin is resistant to fresh and salt water, petrol, oils, grease and most acids, alkalis and solvents.
After the minimum time required before loading, the grout typical attains compressive strength more than 30N/mm².
ArmGrout HF-V is used where the difference between the whole diameter and bar diameter is as below

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

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

Packaging

Available in 1.25 Kg packing
{Base (Liquid) + Hardener (Powder) + (T-agent)}

Storage and Shelf Life

6 Months from date of manufacturing if stored in cool & dry place under shaded area in sealed air tight packing condition.

Precautions

The ArmGrout HF-V should not fall on the skin when it fall wash with plenty of water and soap, if it falls into eyes wash with plenty of water and take the advice of the doctor

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Product Categories Available

Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. the user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. the proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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