



# MCON RASAYAN PVT. LTD.

Trusted Partners In Construction Chemicals



## MCON ANCHOR FIX

POLYESTER RESIN BASED ANCHORING GROUT

### Product Description :-

MCON ANCHOR FIX consists of a low viscosity polyester resins plus catalysed fillers. The two components are mixed to produce a filled resin grout which may be poured or pumped into suitably prepared anchor holes. The mixed grout is colored grey. MCON ANCHOR FIX is used for the anchoring of steel bars and bolts into concrete, masonry, stone and brickwork where speed of installation and early load bearing capacity is required.





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## Areas of Application :-

- ✓ **Pour mixed grout into prepared holes, rodding if necessary to ensure grout flows to the bottom of the hole.**
- ✓ **Once grout has been placed insert bar into hole and gently twist and press home to the required depth.**
- ✓ **The bar should be left undisturbed until the grout has hardened.**



## Features & Benefits :-

- ✓ **High early strength and rapid strength gain.**
- ✓ **Corrosion resistant.**
- ✓ **Weather resistant.**
- ✓ **Can be used in damp conditions.**
- ✓ **Fast setting and self curing.**
- ✓ **Non expansive.**
- ✓ **Vibration resistant.**



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## Uses :-

- ✓ **MCON ANCHOR FIX is used for high strength corrosion resistant anchoring of bolts and bars from 10 - 50mm diameter into concrete, rock, masonry or brickwork where high speed of installation and early application of load is required.**
- ✓ **Permanent installation of reinforcement starter bars, foundation bolts, base plates, balustrading, barriers and safety fences, railway tracks, tie-back anchors, reinforcement dowelling abutments, ground anchors for towers, cranes, dock sills.**

## Estimating :-

**Table indicates volume of MCON ANCHOR FIX polyester resin grout  
Grout in cm<sup>3</sup> / 100 mm bond.**

Hole diameter	Bolt diameter IN mm					
mm						
	12	16	20	25	32	40
20	25					
25	50	40	25			
32	80	70	60	40		
38		100	100	75	40	
45			150	130	100	45
50				180	150	90
62					280	225



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## Technical Information :-

<b>Physical Appearance</b>	<b>Grey paste (mixed)</b>
<b>Pot Life @ 30 OC</b>	<b>15 - 20 mins</b>
<b>Compressive strength at</b>	<b>65 N/mm<sup>2</sup></b>
<b>1 day</b>	<b>85 N/mm<sup>2</sup></b>
<b>7 days</b>	<b>85 N/mm<sup>2</sup></b>
<b>Density</b>	<b>1800 kg/m<sup>3</sup></b>
<b>Tensile Strength at</b>	<b>7 days : 17 N/mm<sup>2</sup></b>

## Typical Anchor Properties @ 30°C Anchor Strengths

<b>Length of Anchor BOND (mm)</b>	<b>Unaxial Pull Out Load (tones)</b>
<b>100</b>	<b>3</b>
<b>200</b>	<b>8</b>
<b>400</b>	<b>16</b>
<b>600</b>	<b>24</b>



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## **Method of Application :-**

### **Surface Preparation :-**

**Hole should be formed using rotary percussive drilling techniques.**

**Diamond drilled holes should be scabbled or undreamed.**

**Pre-cast holes should have roughened sides.**

**All dust and drilling debris should be removed.**

**Bars and bolts should be degreased and all rust removed.**

### **Mixing :-**

**A complete pack of resin and catalysed filler should be mixed in one operation.**

**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 ( See properties).**

**Packs have been designed to produce practical and economic volumes of grout.**

**Do not attempt to mix partial pack components.**





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## **Safety Precautions :-**

**MCON ANCHOR FIX is a resin based product.**

**Resins and solvents may cause allergic reactions in some people.**

**Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning.**

**Ensure adequate ventilation to prevent inhalation of vapor.**

**If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water.**

**Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.**

**If swallowed do not induce vomiting. Seek medical advice immediately.**

**Full health and safety data are given in Product Safety Data Sheet.**





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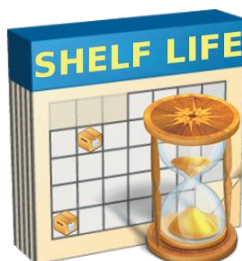
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## Shelf Life & Storage :-

MCON ANCHOR FIX has a shelf life of 6 months from date of manufacture when kept at a temperature between 5° C to 45° C and store in the original, unopened bags.

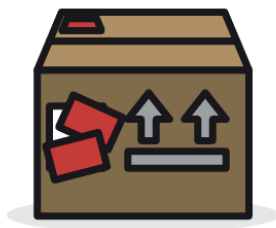
All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture.

Do not freeze.



## Packing :-

MCON ANCHOR FIX is supplied in 1 kg. pack.



*\*(Mcon Rasayan has maintained the highest level of Quality and Consistency by following Systems is certified and as an ISO 9001 : 2015, ISO 14001:2015 & ISO 18001:2015 Company.)*

Address : Venus Enterprises, Raj Sunderam , Shiv Vallabh Road, Near Maruti Nagar, Ashokvan, Dahisar (E), M-68

Call us : +91 9322226109/ 08657642713 / 022- 28488467

Email id : venus\_enterprises04@yahoo.com

Website : www.venusentprs.com

