



MAHI
CHEMICALS

ISO : 9001 : 2015 Certified Company

Plot No : 50 & 61, RUDRA INDUSTRIAL ESTATE, B/H. N.K.-1 ESTATE,
BAKROL (BUJARANG) TA : DASCROI - AHMEDABAD - 382440

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PRODUCT CODE : EPOXY MR – 111

- 1. TYPE** : Liquid epoxy resin modified with reactive diluent.
- 2. DESCRIPTION** : Bisphenol A Base Epoxy resin with reactive diluent.

3 SPECIFICATION

• Appearance	Clear Liquid
• Density @ 25* C.	1.16 - 1.17
• Viscosity @ 25* C., CPS	9000 – 10000
• Colour (Gardner)	2 max.
• Epoxide equivalent weight	170 – 200



4 SOLUBILITY :

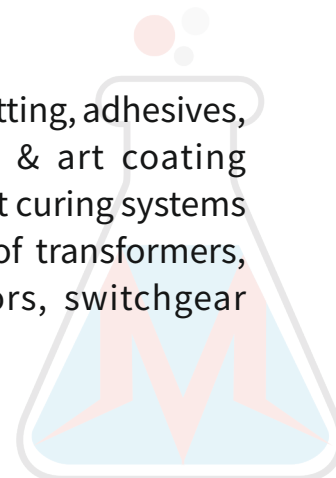
MR - 111 is soluble in alcohols, esters, glycol ethers and aromatic hydrocarbons, and is insoluble in aliphatic hydrocarbons and water.

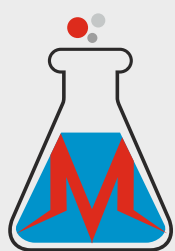
5 COMPATIBILITY :

MR - 111 is compatible with reactive diluents, Plastisizers, and other modified epoxy resins. It can be cured with amine, anhydride, polyamide and other hardeners commonly used with epoxy resins.

6 APPLICATIONS :

MR - 111 finds applications in castings, encapsulations, floorings, potting, adhesives, laminating, reinforced plastics, filament windings, coatings & art coating requirements. MR - 111 is used in room temperature curing and heat curing systems for casting, potting, coil, high voltage coils in the construction of transformers, instrument transformers, slip rings, solenoid coils, capacitors, switchgear components, high voltage insulators, electronic circuits, etc.





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7 SUGGESTIVE FORMULATIONS :

Art compound.

EPOXY MR – 111	100 KGS
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HARDENER – 310	30 KGS
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TOTAL	130 KGS
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Mix thoroughly at the time of application.

pot life. Pot life @ 25* C, minutes	90 - 180
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Mixed viscosity @ 25*C, Cps.	2000 - 8000
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schedule @ 25* C, days	7
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Above casting composition may be further modified with suitable fillers such as silica flour, or quartz sands to improve mechanical strength and to lower cost. Suitable quantity of fillers should be immediately added after mixing base and hardener, and mix filler thoroughly and should be consumed immediately.

8 STORAGE :

MR-111 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

9 PACKING :

25 kgs. Plastic carboys, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

