

SLOW CURE 100% SOLID EPOXY CASTING RESIN

DESCRIPTION

MAGIECHEM 837 is a two-component epoxy-based resin, 100% solid, with very low viscosity, and excellent scratch and yellowing resistance.

MAGIECHEM 837 can be used as a binder or encapsulation resin for electrical and electronic components or decorative pieces such as tables.

MAGIECHEM 837 is intended for indoor use only in situations where one seeks to embed or create artistic pieces, trophies, jewelry, tables and mores.

MAGIECHEM 837 is high quality epoxy resin that can be used for all kinds of casting, moulding, coating and filling work.

ADVANTAGES

- Easy mixing ratio 2A : 1B by volume
- Good balance of pseudo-plastic viscosity
- Excellent humidity resistance
- Excellent adhesion to several substrates (including wood, metal, epoxy sheet, fiberglass, most plastics, stone, concrete, glass and ceramics).
- Epoxy Casting Resin cures with Zero shrinkage and forms a solid, hard epoxy that has very good strength characteristics.
- Exelent Thermal stability (-35°C and +80°C) and has very low thermal conductivity.
- Meets LEED requirement

APPLICATION

Mix the material before use

- Making tables and wood art from 1/2" to 2" thick per pour
- Filling gaps and voids around support posts.
- Filling gaps in electrical insulation and in electrical components.
- Covering gaps.
- long working time 8 Hours
- In all kinds of model making applications.
- Making repairs to tools and components.
- General repairs to boats and watercraft.
- General repairs and gap filling for workshops and facilities.

CAUTION

- Consult MSDS before use
- Epoxy Casting Resin **MGC837** covers gaps, fills voids or can be poured up to a maximum of 50mm per application. The pot life given is for a material quantity of approximately 500 grams at room temperature. If larger quantities are used, the curing time will be faster due to the typical reaction heat of epoxy resins (exothermic reaction). Similarly, higher ambient temperatures shorten the cure time (as a rule of thumb, every 10°C increase above room temperature will halve working time and cure time). Temperatures below +20°C will extend working time and cure time considerably while below around +5°C no reaction will occur.



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TECHNICAL INFORMATION

Color: TRANSPARENT CLEAR

V.O.C.: 0 gr/liters (0 lbs /galUS)

Mixing ratio: 2 parts A and 1 part B by volume

Pot Life: 480 minutes for 0.5 kg (1.1lbs)

Inductuion time: NO need

Recommended Thickness: 2" in one shot

Recoat: 48 to 72 hours with the same material, **Dry to touch:** 48 hours

Complete cure: 7 days

Solvent Cleaner: Isopropyl alcohol or Ketone **Shelf**

Life: 1 year in original unopened container

Packaging: 11.34L and 56.7Liter (3 and 15 Gal. US)

Thickness (PO)	Thickness (Po)	Thickness (Mils)	Coverage (Sq ft / Gal)	Coverage (Gal / sq ft)
1/8"	0.1250	125.00	12.80	0.08
1/4"	0.2500	250.00	6.40	0.16
3/8"	0.3750	375.00	4.27	0.23
1/2"	0.5000	500.00	3.20	0.31
5/8"	0.6250	625.00	2.56	0.39
3/4"	0.7500	750.00	2.13	0.47
7/8"	0.8750	875.00	1.83	0.55
1"	1.0000	1000.00	1.60	0.63
1 1/8"	1.1250	1125.00	1.42	0.70
1 1/4"	1.2500	1250.00	1.28	0.78
1 3/8"	1.3750	1375.00	1.16	0.86
1 1/2"	1.5000	1500.00	1.07	0.94
1 5/8"	1.6250	1625.00	0.98	1.02
1 3/4"	1.7500	1750.00	0.91	1.09
1 7/8"	1.8750	1875.00	0.85	1.17
2"	2.0000	2000.00	0.80	1.25
2 1/8"	2.1250	2125.00	0.75	1.33
2 1/4"	2.2500	2250.00	0.71	1.41
2 3/8"	2.3750	2375.00	0.67	1.48
2 1/2"	2.5000	2500.00	0.64	1.56
2 5/8"	2.6250	2625.00	0.61	1.64
2 3/4"	2.7500	2750.00	0.58	1.72
2 7/8"	2.8750	2875.00	0.56	1.80
3"	3.0000	3000.00	0.53	1.88

TECHNICAL SERVICES AND WARRANTY:

For assistance, consult a representative of MAGIECHEM products. The information contained in this data sheet is based on trials that we believe valid. However, when using the conditions depending on the application of our control. The seller and/ or the manufacturer disclaim any responsibility except to replace the product when proven defective.



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