



EPODECOR # 700

General Description:

EPODECOR # 700 is a 100% solids, two component epoxy system with medium viscosity and medium curing at ambient temperature and in oven.

Major Uses:

It is highly transparent system for casting. It is suitable in the application of decorative flooring and artistic design. It provides hard wearing abrasion resistant floor finish and highly resistant to yellowing over time.

Characteristics and Physical Properties:

	Temperature Reference	Method	Unit of Measurement	EPODECOR # 700 Resin	EPODECOR # 350 Hardener
Colour				Transparent	Transparent
Density	25 ⁰ C	ASTM D 891	g/ml	1.110 - 1.150	1.000 - 1.050
Viscosity	25 ⁰ C	ASTM D 2196	mPa s	1850 - 2000	680 - 730
Mixing Ratio			Weight	260	140

Application Characteristics:

	Test Condition		Unit	
Minimum Temperature			⁰ C	+10
Viscosity	25 ⁰ C	ASTM D 2196	mPa s	1500 - 1600
Usage Time	25 ⁰ C	100 ml	h min' sec"	20' - 30'
	25 ⁰ C	film	h min' sec"	4h30' - 5h
Gel Time	40 ⁰ C	film	h min' sec"	1h50' - 2h10'
	50 ⁰ C	film	h min' sec"	1h30' - 1h40'
Recommended Maximum Thickness			mm	5 - 10

Curing:

	Test Condition		Unit	
Curing Time	25 ⁰ C	Sp.10 mm	h min' sec"	20h - 24h
Complete Curing	25 ⁰ C	Sp.10 mm	days	10 - 15

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

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Instruction:

Respect carefully the mixing ratio: Any variation in the mixing could irreparably undermine the characteristics of the final finished product. Thoroughly mix the two components, avoid excessive turbulence that will cause dangerous air inclusions.

Curing:

The system will fully cures at room temperature. The temperature of the surface where the product will be applied must not be less than + 10⁰C and the system will reach the maximum curing after 10 – 15 days.

Storage:

The two components, if stored in containers well closed and in dry environment up to 10 – 35⁰C are usable up to a year of their production. At temperature lower than 10⁰C, the material will crystallize. To bring back the crystallize material into its liquid state of use, put them in an oven or water bath for about 70 – 80⁰C until the complete dilution. Rehomogenize and cool to room temperature before use.

Warnings:

Keep resin and hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink; do not use empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately and use cream barriers. Rinse with fresh water and soap if contact with skin or eyes occur and seek immediate medical advice.

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