



GENERAL NON-SAG EPOXY MORTAR #906

GENERAL

Epoxy Mortar #906 is a three component epoxy compound, consisting of Epoxy, Reactor and Aggregate mix. The material can be used as a three component mortar or a two component gel if desired.

SURFACE PREPARATION

Surfaces to be bonded, or filled, must be clean. Loose sand, dust and foreign matter **MUST** be removed

PREPARATION

Mix Reactor and epoxy portions thoroughly and then add Aggregate mix. Mix ratio of A to B is 6:1. Blend thoroughly.

POT LIFE

Epoxy and Reactor have a useable pot life of 20 to 30 minutes at room temperature of 75⁰F or 24⁰C.

APPLICATION

1. Apply an initial “butter coat” of mixed material (see - Preparation), approximately 6mm or ¼” thick.
2. While “butter coat” is still wet, additional Silica sand (10 to 20 mesh) may be added to the remaining mixed #906, if desired, to thicken material and facilitate trowling.
3. Mixed material may then be applied to the “butter coat” up to 50mm or 2” thick per application on vertical or horizontal surfaces on either damp or dry surfaces.

THINNING

NOT permissible

DRY TIME
(cure time)

Normal compound will cure at 32⁰F or (0⁰C) or above.

Normal traffic	70 ⁰ F (21 ⁰ C)	24 hours
	120 ⁰ F (49 ⁰ C)	6 – 8 hours

Light traffic	70 ⁰ F (21 ⁰ C)	8 hours
	120 ⁰ F (49 ⁰ C)	4 hours

Maximum strength developed after 7 days at room temperature.

PHYSIC AL
PROPERTIES

Thermal Expansion	10 x 10 ⁻⁶ in/ in/ ⁰ F
Abrasion resistance	Excellent
Adhesion a) Steel	500 - 800 PSI (3.4 - 5.5 MPA)
b) Concrete	Concrete Failure
Hardness	Rockwell M100
Exterior durability	Excellent
Tensile strength	1,275 PSI (8.8 MPA)
Compressive strength	13,570 PSI (93.6 MPA)
Shrinkage during cure	0.0004 – 0.001 in/in.
Flexural strength	5,400 PSI (37.2 MPA)
Dielectric strength	450 volts per mil
Compressive modulus of elasticity	370,000 PSI (2551.7 MPA)



CAUTION

Some epoxies and their curing agents, are strong sensitizing materials; therefore, some people may develop allergic reaction to them resulting in a severe skin rash.

Also, some epoxies and their curing agents have recently been suspected as carcinogenics, along with thousands of other industrial chemicals; therefore, we strongly recommend protective creams and gloves be used when handling epoxy products.

In case of eye contact wash with water for 5 minutes and get medical attention.

Clothing and skin contaminated with epoxies may be washed off with soap & water.