



Installation of GageKote #5

Introduction

Gage Coat #5 is a two-component rubber-like epoxy resin recommended for direct immersion in water, gasoline, and oils. Its adhesion to clean metallic surfaces is excellent. It cures in 6 hours at room temperature 75° F (24° C) to a tough, flexible film and provide good all around protection of strain gages within its operating temperature range of -90° F to +250° F (-68° C to +121° C). This cure can be accelerated to 1 hour at 150° F (66° C). Since no solvents are involved, curing can be accomplished in the absence of air.

The flexible nature of Gagekote #5 permits a fairly heavy layer to be applied over strain gages mounted on thin section with minimal reinforcement.

Application

Gage Coat #5 is usually applied with a stiff brush (1/4 inch). While both components of Gagekote #5 are quite fluid to permit easy mixing, they form a thixotropic mixture that can be applied onto a vertical surface with out runoff.

Mixing Instructions and General Considerations

General

Any resin removed from refrigeration must be allowed to attain room-temperature equilibrium before being opened.

Mixing Coating

Gagekote #5 will cure at +75° F (+24° C) in 6 hours.

To mix, add activator "B" to resin "A" using a ratio of one part "B" to three parts "A" by weight or volume. Mix thoroughly for 3 minutes, using one of the supplied stirring rods. The pot life or working time after mixing is approximately 30 minutes at +75° F (+24° C).

Shelf Life

1 Year @ 75° F (24° C)

Handling Precautions

While this material is considered relatively safe to handle, contact with skin and inhalation of vapors should be avoided. Immediate washing with ordinary soap and water is effective in cleansing should skin contact occur. For eye contact, rinse thoroughly with a copious amount of water and consult a physician. For additional health and safety information, consult the Material Safety Data Sheet which is available upon request.

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