

TECHNICAL DATA

JP-71SL LIQUID STRUCTURAL EPOXY

PRODUCT DESCRIPTION:

JP-71SL Structural Liquid Epoxy is a versatile epoxy for mortar and bonding systems used in the preservation and rehabilitation of wooden timber structures. When **JP-71SL Structural Liquid Epoxy** is mixed with a select gradation of sands and larger aggregates, the formulation is used in combination with fiberglass reinforcement to repair structurally damaged wood.

PHYSICAL PROPERTIES:

Color: "A" = Light Straw "B" = Clear Mixed = Transparent
Viscosity: 300 + 50 cps
Mixing Ratio (By Volume): 2 "A" to 1 "B"
(By Weight): 2.2 "A" to 1 "B"

PERSONAL PROTECTION / EXPOSURE CONTROLS

Wear eye protection, hand protection, respiratory protection, protective clothing, and adequate general and local ventilation, Wash at the end of each work shift and before eating, smoking or using the toilet. Launder or discard contaminated clothing.

See **MATERIAL SAFETY DATA SHEET** for more detail.

SURFACE PREPARATION:

Wood surfaces must be cleaned of old coatings, oils, grease, waxes, fungus, and other contaminants detrimental to adhesion. Removal or consolidation of deteriorated wood must be completed prior to the start of any structural repairs. Use release agents and/or plastic sheeting on surfaces not being treated to protect from accidental contact with epoxies. A licensed structural engineer must review and approve all structural repairs prior to start of work.

MIXING:

Stir each component individually prior to measuring and mixing. Measure out the appropriate amount of Component "A" and "B" into a separate container. Measure exact amounts. Blend together components "A" and "B". It is extremely important to thoroughly mix together the two components, then blend in aggregates if producing a mortar mix.

Mixing Ratio

(By Volume): 2 parts "A" to 1 part "B"
(By Weight): 2.2 parts "A" to 1 part "B"

The facts stated and the recommendations made for the use of all products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made due to the great range of field conditions that exist and also because of variations encountered in methods of installation. For these reasons the products are sold without warranty, expressed or implied, and on the condition that the purchaser shall make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will SCL or PRG be liable for damages to anyone in excess of the purchase price of the products.

APPLICATION:

Areas of repair must be dry and properly prepared. JP-71SL Liquid Structural Epoxy can be mixed with aggregate to form an epoxy concrete or applied neat as an adhesive bonder.

When used as an epoxy concrete, be careful to thoroughly mix components "A" and "B" prior to adding any fillers or aggregates. A common aggregate to epoxy ratio is 8:1. Aggregate to epoxy ratio may vary depending on the requirements of the project. Reinforcement should be used in the epoxy concrete and also to tie structural repair into sound wood.

If using the epoxy neat to adhere bars, bolts and other devices into wood, then drill holes into wood slightly larger than the diameter of the anchorment. This is to allow for easy insertion of the fixture and the adhesive. Set anchorment to proper grade and angle and let it stand undisturbed until the epoxy cures.

CLEAN UP:

Clean equipment and tools immediately after use. Use a mixture of 50% MEK and 50% Xylene or NUSOL for cleaning. Wash hands and skin areas with soap and warm water.

Refer to MATERIAL SAFETY DATA SHEET.

STORAGE:

Do not freeze. Store in heated area on pallets. Shelf life is one year in unopened containers stored as specified.

LIMITATIONS:

Do not thin JP-71SL. Solvents will prevent proper cure. Substrate temperature and ambient temperature must not be below 40°F (4°C). Exposure to elevated temperatures for prolonged periods is not recommended. Epoxy resin (A Component) may crystallize. Heating material to 120°F and stirring will reconstitute material to original condition. Allow to cool before using.

Emergency Telephone:
301-908-7562

This information is subject to change without notice
and supersedes all previous specifications