



Epoxy 314™

EPOXY FOR MECHANICAL REINFORCEMENT SYSTEM
DATA SHEET

PRODUCT DESCRIPTION

Epoxy 314™ is based on pure liquid epoxy polymers and polyamine property resins modified with an organic sulfur complex curing agent. reinforcing seal coating

Epoxy 314™ is formulated without volatile solvents and is surface water tolerant, it can be applied to damp or wet surfaces and still works well as a mechanical reinforcement system.

The application can be done using a brush or roller without special ventilation requirements, the odor during application is mild and characteristic of organo-sulfur resins. Epoxy 314™ is supplied as an equal volume mixture of blue colored epoxy base and yellow colored curing agent, mix these together.

MAIN FEATURES

COMPOSITE REPAIRS: Can be used in combination with compounds such as TitanWrap™.

ADHERENCE: It can adhere to different types of substrates.

SURFACE PREPARATION

The surface must be free of contamination such as debris, oil or grease that may interfere with adhesion. Water contamination is acceptable if surfaces are free of other kinds of contamination. Preparing surfaces for the application of Epoxy 314™ uses mechanical methods such as sandblasting or abrasive discs which produce a cleaned surface with a profile of 1.0 – 4.5 mils to promote good adhesion. Wire brush can also be used.

Is not necessary to control dew point over the surface where the product will be applied.

APPLICATION CONDITIONS

Pot life and reaction time are highly temperature dependent (15' @ 77 F), as a general guide calculates that every 18 F, (10 C), temperature change above or below 77 F (25 C), will halve or double pot life and cure times respectively.

MIXING PROCEDURE

A mixer with a high torque motor is recommended for proper blending, pour the curing agent into the base, and mix for about 2-3 minutes taking care to stir in all base material from the edges and base of the plastic pail. Unmixed material will never harden. No induction or "sweat-in" time is required and the mixed material may be used immediately.

APPLICATION

Use a brush or roller for application, it's easy and doesn't require any special techniques.

TECHNICAL PROPERTIES

PROPERTIES	Values
System type	Epoxies, other proprietary systems.
Pigmentation	Color /Inert/ with fibrous reinforcement
Color	Green.
Finish	Light texture
Thinner	Not necessary
Cleaner	MEK or dilution lacquer
Ratio	1.0 V/V
Induction time	Not required, may be used immediately after mixing
Pot life	Approx. 5' / 77 F
Flash Point	Over 200°F
Solids by Volume	100%
Spread rate/Gal	53 sf /gal @ 30 mil
Drying time (dust free)	10 mins at 77 F
Drying time (for service)	12-24 hours for total cure
Application method	Brush
Storage conditions	77 F. Duration of 24 months.

SAFETY PRECAUTIONS

This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

TECHNICAL SERVICE

For any technical questions regarding the use of our products, let us support you by contacting our technical sales department.

WARRANTY DISCLAIMER.

TITANWRAP will not be in any case responsible for damages of any nature that may arise from improper use of the product. Before using it, the user must determine whether the product is suitable for its intended use, assuming all risk and liability that may arise from its use.

If it is proven that a product is defective due to material or manufacturing at the time of sale or does not meet the properties indicated in this technical sheet during the warranty period, the only responsibility of TITANWRAP will be to replace the buyer with the amount of product that appears defective. TITANWRAP does not assume any responsibility for any additional costs such as costs of manufacturing, removal, or re-application of the products. If TITANWRAP offers its client an express or implicit guarantee, or compensation that differs from those established in this technical sheet, said stipulation can only be altered by means of an agreement signed by the parties.