

SYNTHO-GLASS®UV

SUPERIOR UV & MECHANICAL PROTECTION FOR PIPES AND PILINGS



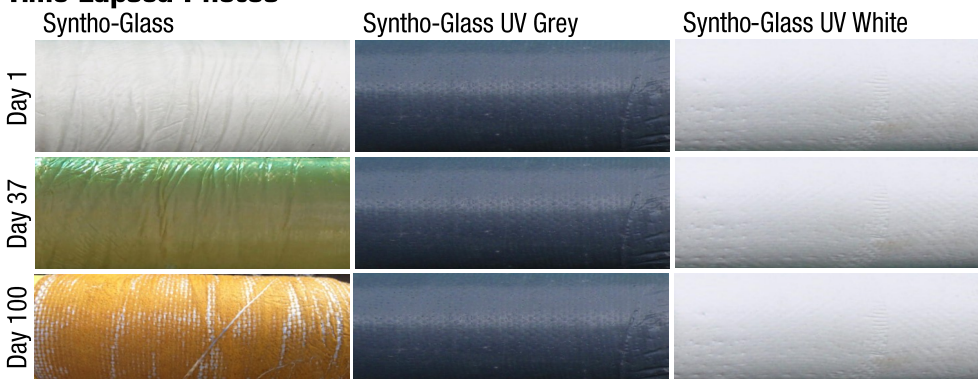
Description

Syntho-Glass®UV has been specifically designed to be an aesthetically pleasing, non yellowing superior wrapping system to provide UV stabilization for pipe coatings, previous composite repairs or anywhere UV degradation is a concern. Syntho-GlassUV prevents future corrosion and abrasion due to mechanical impact, frost heave, crevice corrosion, galvanic corrosion, and vibration abrasion at soil to air interface, water to air interface and pipe support areas. This system provides exceptional mechanical and impact protection. Syntho-GlassUV can be used underwater, underground or on above ground pipes and piles.

Mechanical Properties

Test	Method	Result
Tensile Strength	ASTM D3039	15,353 psi (1,058.5 bar)
Tensile Modulus	ASTM D3039	2,629 ksi (181,263.2 bar)
Flexural Strength	ASTM D790	16,721 psi (1,152.8 bar)
Flexural Modulus	ASTM D790	2,846 ksi (196,224.8 bar)
Glass Transition Temperature	ASTM E831	180°F (82°C)
Short Beam Shear Strength	ASTM D2344	1,148 psi (79.1 bar)

Time Lapsed Photos*



*Based on South Florida UV exposure

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Typical Applications

- UV protection
- Mechanical protection
- Abrasion protection
- Corrosion prevention
- Protection at soil to air interface
- Splash zone protection
- Protection at support areas

Benefits

- Non yellowing
- Prevents corrosion
- Impact/Abrasion resistance
- Energy absorbing
- Easy to apply
- No mixing, no measuring ensures consistent glass to resin ratio, therefore consistent results
- Can be applied in any weather condition, even underwater
- Contains no solvents

Physical Properties

VOCs: None

Working Time:

50 Minutes at 75°F (24°C)

Set Time: 2 Hours at 75°F (24°C)

Resin Type: Water-activated aliphatic

Resin Application: Pre-impregnated

Service Temperature:

-50° to 250°F (-46° to 121°C)

Application Temperature:

32° to 150°F (-18° to 65°C)

Shelf Life: 3 Months with recommended storage conditions

