

TECHNICAL SPECIFICATION

Stork AquaWrap

AquaWrap is a pre-preg, high strength composite system used to reinforce and repair piping and infrastructure components, even underwater. It halts and encapsulates external corrosion to restore structural integrity to piping.

AquaWrap is a high strength fibreglass or carbon fibre material that is factory impregnated with a moisture cured urethane (MCU) resin system. Once activated by water, the chemical reaction cure takes about 30 minutes to be dry to touch. Each of the rolls is supplied in a nitrogen filled, multi-layer mylar bag and requires no mixing or resin preparation.

AquaWrap is available in a variety of widths from 2" - 12" and lengths up to 150ft to accommodate any pipe size. It creates a permanent bond to a variety of materials such as metals, concrete, wood and plastics. For substrates with restricted surface preparation that cannot withstand abrasive blasting, a further range of AquaWrap epoxies are available. Also, when cured, AquaWrap is resistant to fuels, most solvents and chemicals.



Features:

- Uses a water-activated polyurethane resin
- Cures in wet conditions and underwater
- Many different widths and lengths
- Excellent toughness – resists cracking
- Heat resistant to 120°C
- 30-minute working time, perfect for long installations
- Can be applied over a wide temperature range
- Contains no VOCs, odourless and non-flammable, non-toxic, ships non-hazardous and is NSF certified to
- ANSI/NSF standard 61 for use with potable water

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Stork AquaWrap Capabilities

Stork Aquawrap is ready to apply, right out of the bag and cures by way of a chemical reaction with field-applied water. This offers considerable advantages over conventional cloth-resin systems in that there is no resin measuring, mixing, spreading, solvents, or dripping polymer mess.

Stork AquaWrap Properties

Working Time:	30-40 min. at 25°C (77°F)	Mix Ratio:	No mixing required
Application Temps:	4-93°C (40-200°F)	Service Temps:	-40°C - 121°C (-40°F - 250°F)
Cure Time (dry to touch):	30-60 minutes at 25°C (77°F)	Full Cure:	7 days at 25°C (77°F)
Usual Packaging:	Pre-Packaged Rolls	Shelf Life:	1 year
Chemical Resistance:	Acetone, mek, toluene, gasoline, ethyl alcohol and many others	Hardness:	90 Shore D - ASTM D-2240

Benefits and added value:

- Low cost/high strength
- Simple and easy to use, no mixing or fabric saturating
- Non-hazardous
- Time saving
- Non-conductive
- Corrosion resistant
- Environmentally friendly
- Compatible with all piping

