



Contour WA™

The Contour WA™ composite solution is one of the strongest and most durable coating materials available. Engineered, bi-axial stitched e-glass tape impregnated with a water-activated polyurethane resin forms a hard shell to protect piping and structures subjected to coating damage. Contour WA™ is designed for repairing corrosion and mechanical damage on lines to 1,500 psi and is ideal for repairs involving complex geometries and in water environments, such as applications on condensing pipe in the splash zone and underwater. It is designed for impact and abrasion-resistant coatings that protect existing coatings from debris, ice damage, and wear at contact points with other piping. Divers can apply Contour WA to repair subsea coating damage and to combat erosion in the splash zone.

Applications

- Splash zone
- Structural reinforcement on straight pipes as well as elbows, tees, and flanges
- Girth welds on vessels and pipelines
- Damage prevention to coatings from potential impact and abrasion
- Installation on top of stopgap measures (plugs, banded patches, and clamps) to provide a long-lasting repair
- Fully submerged, subsea applications

Features

- Wet film thickness meter ensures the proper amount of primer is applied before installation
- Dispenser controls consistent water-to-resin ratio to guarantee proper curing
- AnchorPly™ adhesive secures the installed repair to facilitate curing without the use of a perforation tool
- Durometer hardness gauge provides a way to verify a proper cure
- Verifies components have passed Stress Engineering Spool Survival Test at 3,300 psi
- Compliant to ISO 24817 and ASME PCC-2 guidelines
- Fully tested by independent laboratories
- Offered in multiple kit sizes

BENEFITS:

- Spray-and-wrap technology eliminates field saturation variables
- Installs without disrupting operations
- No environmental hazards
- No heavy lifting
- No hot work, no heat affected zones, no chance of burn through, no VOCs, no fumes



QUALIFICATION DATA

PROPERTIES	RESULTS
Layer thickness	0.015 inch (0.38 mm)
Tensile modulus (Hoop)	2,585 ksi (17.8 GPa)
Tensile modulus (Axial)	2,360 ksi (16.2 GPa)
Tensile Strength (Hoop)	40 ksi (276 MPa)
Tensile Strength (Axial)	40 ksi (276 MPa)
Tensile Strain to failure (Hoop)	1.8%
Tensile Strain to failure (Axial)	1.9%
Poisson's Ratio	0.16
Lap Shear Strength to Steel	982 psi (6.77 MPa)
Hardness	84.7 Shore D
Thermal Expansion Coefficient	8.2 in/in°F (14.76 m/m°C)
Glass Transition	275°F (135°C)
Application Temperatures	40 to 200°F (4 to 93°C)
Service Temperature Limits for Non-Leaking Defects	-40 to 250°F (-40 to 121°C)

Warranty: ClockSpring|NRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. ClockSpring|NRI warrants the quality of this product when used according to directions.



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