

WrapidShield PU

Impact Protection for Pipeline Coatings

Canusa-CPS' WrapidShield PU is a composite wrap material consisting of a glass-fibre fabric impregnated with a solvent free moisture curing polyurethane resin, engineered to provide high impact resistance and compressive strength when used as a protective layer over top of anti-corrosion coatings. The material resists impact damage due to rocky backfill materials or offshore lay barge rollers. WrapidShield PU helps to resist any impact during the construction process.

High Performance System

- Provides excellent additional impact and indentation resistance to coatings
- Wide temperature range during application and in service
- Good performance in cold, hot and wet environments
- Good performance in chemically aggressive environments, such as Acetone, MEK, Toluene, Gasoline, Ethyl alcohol and many others.
- Good resistance to ageing, within operational temperatures

Rapid and Reliable Installation

- Fast and easy field application, no complex equipment required
- Can be applied in atmospheric and submerged conditions
- Fast and complete curing in ambient conditions
- Pre-impregnated, no field mixing required



Applications



All Pipeline Coatings



Offshore Pipelines



Onshore Pipelines



All Pipe Sizes



Soil-to-air Transitions



Splashzone

WrapidShield PU

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Properties	Test Method	WrapidShield PU
Thickness per Layer	SSPC-PA-2	0.6-0.7 mm [24-28 mils]
Temperature Range	-	Application: > 0°C [32°F] Operational: < +120°C [248°F]
Colour	Visual	White
Resin Type	Per Manufacturer	Polyurethane
Impact Resistance	ISO 21809-3	> 25 Joules
Abrasion Resistance	ASTM D4060	≤ 0.11 mm [4.3 mils] / 1000 cycles
Tensile Strength	ISO 527	250 MPa
Hardness (Shore D)	ISO 868	> 70 @ < 75°F
Cure Schedule*		
Working Time	-	20-30 min
Dry-to-Touch	ASTM D2240	8 hrs
Full Cure	ASTM D2240	24 hrs

*Cure times were tested at an ambient temperature of 23°C (73°F).

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.



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**Quality Management
system registered to
ISO 9001**

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.