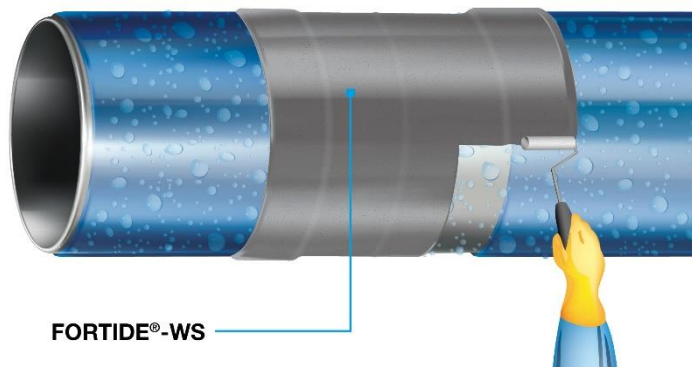


FORTIDE[®]-WS

Product information



Two-component epoxy coating for use on wet surfaces.



Specific advantages:



For operating temperatures up to +80 °C (+176 °F).



Fulfils ISO21809-3, type 18-A.



Free from volatile solvents and isocyanates.



Can be applied to wet surfaces without time-consuming pre-treatment.



Coating of pipes under load is possible.

Product description

FORTIDE[®]-WS is a durable corrosion protection system for underground and submerged pipelines which has been specifically designed for use on **moist substrates**.

Moist surfaces often pose a particular challenge, especially when restoring old coatings on piping systems.

Its **special composition** means it provides a high-quality and safe coating even if a **condensate film**

has formed on a pipeline under load. The ability to apply it to wet surfaces **removes the need to disconnect the pipeline**, prevents long waiting times and therefore **significantly reduces costs**.

The isocyanate- and solvent-free system ensures **compliance with the most stringent environmental and health and safety requirements**.

FORTIDE[®]-WS fulfils the requirements of **ISO 21809-3, type 18A**.

The high-temperature resistance under specified mechanical load capacity forms the basis of a wide range of applications.

The coating's durability is a result of its excellent **resistance to cathodic disbondment** combined with **exceptional indentation strength**.

FORTIDE[®]-WS is available in different package sizes, which means that a practical and economical size is available for every project.

Typical product properties

Property	Unit	Typical value	Required value	Test method	
Type	-	two components	-	ISO 21809-3	
Colour	-	Black	-		
Recommended minimum layer thickness	µm	≥ 600	-		
Theoretical consumption for 600 µm DFT	kg/m ² l/m ²	0.87 0.62	-		
Indentation resistance (10 N/mm ² , stamp-Ø 1.8mm)	+80 °C (+176 °F)	% of the original thickness	≤ 5		≤ 30
Cathodic disbondment	+23 °C (+73 °F)	mm	≤ 2		≤ 8
	+80 °C (+176 °F)		≤ 6		≤ 15
Hardness	+23 °C (+73 °F)	Shore D	≥ 80		-
Adhesion	EP on steel	MPa	≥ 14		≥ 10
	EP on EP				
Adhesion after hot water immersion (28 d / +80 °C / +176 °F)	EP on steel		≥ 10	≥ 7	
	EP on EP		≥ 8	≥ 2	

Processing conditions

Ambient and substrate temperature approx.		+10 °C (+50 °F)	+20 °C (+68 °F)	+40 °C (+104 °F)
Small package (Brush variant)	Pot life (250 g total mass)	approx. 1.5 h	approx. 35 min.	approx. 7 min.
	Tack-free	approx. 5 h	approx. 2.5 h	approx. 50 min.
	durable	approx. 24 h	approx. 9 h	approx. 3 h
Processing temperature	Substrate	≥ +10 °C (≥ +50 °F)		
	Environment	-40 °C to +50 °C (-40 °F to +122 °F)		
Steel surface	Degree of cleanliness (ISO 8501-1)	min. Sa 2 ½		
	surface roughness (ISO 8503-1)	40 – 100 µm		

Ordering information and packaging

Product name	Component (Packaging)	Contents per package approx.		Content per box
		[l]	[kg]	[pcs.]
FORTIDE®-WS 0.8 l Kit	Comp. A / B (cans)	0.6 / 0.2	0.95 / 0.2	12 / 12
FORTIDE®-WS 1.2 l Kit	Comp. A / B (cans)	0.9 / 0.3	1.4 / 0.3	8 / 8
FORTIDE®-WS	Comp. A / B (hobcock)	29 / 29	46 / 29	-
	Comp. A / B (barrel)	207 / 207	327 / 207	-

Storage

FORTIDE®-WS can be stored in its unopened original packaging for at least 12 months from the date of manufacture.

Storage temperature: +5 °C (+41 °F) to +30 °C (+86 °F).

Store in a dry and frost-free location.

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