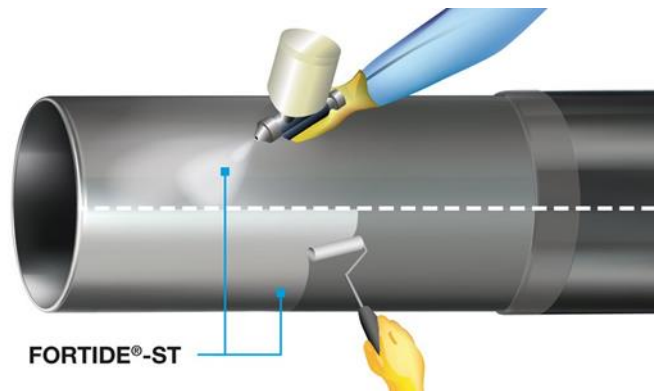


# FORTIDE<sup>®</sup>-ST

## Product information



### Two-component epoxy coating with a wide range of applications



#### Specific advantages:



For operating temperatures up to +95 °C (+203 °F).



Fulfils ISO21809-3, type 18-A.



Free from volatile solvents and isocyanates.



Brush or spray application



Outstanding resistance against cathodic disbondment.

### Product description

**FORTIDE<sup>®</sup>-ST** is a thick film epoxy coating that provides durable corrosion prevention for buried and submerged pipelines.

FORTIDE<sup>®</sup>-ST features **outstanding hardness** while also providing **good abrasion resistance**.

FORTIDE<sup>®</sup>-ST is particularly suitable for protecting joints, complete pipes or **restoring whole pipelines**.

FORTIDE<sup>®</sup>-ST covers a very broad range of applications, thanks to its ease of use in a variety of ways.

The product is available in both spray and brush variants.

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

FORTIDE<sup>®</sup>-ST fulfils the requirements of **ISO 21809-3, type 18A**.

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

FORTIDE<sup>®</sup>-ST is available in different package sizes, which means that a practical and economical size is available depending on the requirements of the project.

## Typical product properties

Property	Unit	Typical value	Required value	Test method
Type	-	two components	-	ISO 21809-3
Colour	-	grey	-	
Recommended minimum layer thickness	µm	≥ 600	-	
Theoretical consumption for 600 µm DFT	kg/m <sup>2</sup> l/m <sup>2</sup>	0.86 0.60	-	
Indentation resistance (10 N/mm <sup>2</sup> , stamp-Ø 1.8mm)	+95 °C (+203 °F)	% of the original thickness	≤ 5	≤ 30
Cathodic disbondment	+23 °C (+73 °F)	mm	≤ 2	≤ 8
	+95 °C (+203 °F)		≤ 8	≤ 15
Hardness	+23 °C (+73 °F)	Shore D	≥ 80	-
Adhesion	EP on steel	MPa	≥ 18	≥ 10
	EP on EP		≥ 14	≥ 7
Adhesion after hot water immersion (28 d / +95 °C / +203 °F)	EP on steel		≥ 8	≥ 2
	EP on EP			

## Processing conditions

Brush variant				
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. 50 min.	approx. 16 min.	approx. 5 min.
	Tack-free	approx. 3 h	approx. 1 h	approx. 25 min.
	durable	approx. 22 h	approx. 6 h	approx. 1.5 h
Hot airless spray application				
Ambient and substrate temperature approx.		+10 °C (+50 °F)	+20 °C (+68 °F)	+55 °C (+131 °F)
Hobbock (hot airless spraying)	Tack-free	approx. 1.5 h	approx. 45 min.	approx. 5 min.
	durable	approx. 13 h	approx. 4 h	approx. 30 min.
General processing conditions				
Processing temperature	Substrate	≥ +10 °C (≥ +50 °F); min. +3 °C (+5.4 °F) above the dew point		
	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		
Relative humidity		≤ 80 %		

## Ordering information and packaging

Product name	Component Packaging	Contents per package approx.		Content per box
		[l]	[kg]	[pcs.]
FORTIDE®-ST 0.8 l Kit	Comp. A / B (cans)	0.6 / 0.2	0.9 / 0.2	12 / 12
FORTIDE®-ST 1.2 l Kit	Comp. A / B (cans)	0.9 / 0.3	1.4 / 0.3	8 / 8
FORTIDE®-ST	Comp. A / B (hobbock)	29 / 29	45 / 29	-
	Comp. A / B (barrel)	207 / 207	325 / 207	-

## Storage

FORTIDE®-ST 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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