

Corroless ACO WasteSeal

(formerly Acothane Wasteseal)

Issue Date: Mar 2019
 Reference: GKG41
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Product Description	A solvent free, fast curing, two pack hybrid polyurethane , reinforced with Carbon Fibre, for pipelines.			
Features & Use	<ul style="list-style-type: none"> Designed for the in-situ lining of iron, steel, concrete and plastic waste water pipes, to reinforce and repair using proprietary, patent-pending, 'Pipe in Pipe' technology Outstanding physical properties in terms of flexural strength, tensile strength, impact, abrasion and penetration resistance 			
Approvals/ Certification	Please consult Axalta Coating Systems			
Finish	Sheen			
Volume Solids	100%			
VOC Content	0 g/litre			
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage
	Typical	1.5 mm	1.5 mm	0.67 m ² /litre
	Typical	2.5 mm	2.5 mm	0.4 m ² /litre
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated				
Drying Times	Applied to 1.5 mm DFT	+10°C	+20°C	
	Dust Free	10-15 min	5-10 min	
	Hard Dry	1 hr	< 1 hr	
	Overcoating	1 hr	1 hr	
	Full Cure	24 hr	24 hr	
Drying and recoating times are related to the surface temperature				
Colours	Dark Grey/Black			
Product Code	10AWT-			
Pot Life	90 - 120 seconds at 20°C			
SG	1.6 kg/lt mixed			
Storage Conditions	Store in dry, cool conditions and protect from frost			
Shelf Life	Minimum 24 months if stored as above in unopened containers			
Flash Point	200°C			

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Surface Preparation	<ul style="list-style-type: none"> This is a specialist product which should only be used by a competent applicator Pipes to be re-lined should be clean, with all sediment and build up removed using an appropriate cleaning method The pipe should then be dried using a suitable site method to ensure that there is no pooling water and that the pipe surface is as dry as possible before lining Consult Axalta Coating Systems for specific project advice 										
Mixing	Requires a suitable Lining Rig specially designed for this product										
Thinner / Cleaner	Do not thin / Axalta Thinner Fast Industrial TH120 (formerly called No.4 Thinner)										
Application Conditions	Do not apply when rain, mist, sleet or snow are imminent. Normal application requires relative humidity below 80%. To avoid risk of condensation, application should be performed only when the steel surface temperature is at least 3°C (5°F) above the dew point. Application at temperatures below 1°C (33°F) must be carefully monitored, since the possible presence of ice on the surface (or in pores, in the case of concrete) will result in poor performance.										
Application Methods	<table border="1"> <thead> <tr> <th>Method</th> <th>Airless Spray</th> <th>Conventional Spray</th> <th>Brush</th> <th>Roller</th> </tr> </thead> <tbody> <tr> <td colspan="5"> <ul style="list-style-type: none"> Requires a suitable Lining Rig specially designed for this product </td> </tr> </tbody> </table>	Method	Airless Spray	Conventional Spray	Brush	Roller	<ul style="list-style-type: none"> Requires a suitable Lining Rig specially designed for this product 				
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Product Notes	<ul style="list-style-type: none"> Activator contains isocyanates – refer to Safety Data Sheet 										
Health & Safety	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.										

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Property	Test Standard	Wasteseal
Shore D Hardness	ASTM D2240-5	89-90
Bisphenol A		None
Tensile Strength	ASTM D638-08	34 MPa
Tensile Elongation	ASTM D638-08	1.30%
VOC		0%
Flexural Strength	4mm ISO178/11296-4	89 MPa
Flexural Modulus	4mm ISO178/11296-4	5.3 GPa
Slurry Erosion	Southampton University*	243 mg loss
Water Absorption (21 days)	ASTM D570-98	0.53%
Adhesion to Steel (Sa2½ surface)	ASTM D4541	>18 MPa

* Test developed by Southampton University to compare erosion rates under high wear conditions

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