Product Overview

		HUMIDUR®								
		ME		E	FP					TC
		ME	ME Brush		FP Single / FP Hydro	FP Plural	FP Brush	FP Brush Extreme	FP QR	
Duties	Anti-corrosion	✓	✓	✓	✓	✓	✓	✓	✓	
	Anti-fouling									
	Topcoat									✓
	Expected lifetime	> 30 years	> 30 years	> 30 years	> 30 years	> 30 years	> 30 years	> 30 years	> 30 years	10 years
Substrate	Surface tolerant	✓	✓	✓	✓	✓	✓	✓	✓	
	Steel	✓	✓	✓	✓	✓	✓	✓	✓	Only esthetic purposes
	Other metals	✓	✓	✓	✓	✓	✓	✓	✓	Only esthetic purposes
	Concrete	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Humidur coatings	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Other coatings	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Glass Reinforced Plastic (GRP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Fibre Reinforced Plastic (FRP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compo-sition	100% solids / 0% VOC	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Solvent-free	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2K-polyamine modified epoxy	✓	✓	✓	✓	✓	✓	✓	✓	
	2K-epoxy siloxane									✓
Application	Brush / roller/ spatula	✓	✓	✓	✓		✓	✓	✓	✓
	Dispensing Gun								✓	
	Single component spray	✓			✓					✓
	Plural component spray	✓		✓	✓	✓	✓			✓
	One coat system	✓	✓	✓	✓	✓	✓	✓	✓	Only esthetic purposes
	Primer needed	No	No	No	No	No	No	No	No	Yes
	Min. surface temperature*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	> DPT + 3°C*	>0°C and >DPT + 3°C
	Max. surface temperature	50°C	50°C	50°C	50°C	50°C	50°C	50°C	50°C	50°C
	Relative humidity	< 95%	< 95%	< 95%	< 95%	< 95%	< 95%	< 95%	< 95%	< 95%
	Curing under water	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
	Film thickness min./max.	300 µm / 1000µm	200 µm / 300 µm	400 µm / 2000 µm	400 µm / 800 µm	400 µm / 2000 µm	200 µm / 400 µm	200 µm	200 µm / 400 µm	60 µm / 100 µm
Resistant to	Chemicals	On request	On request	On request	On request	On request	On request	On request	On request	On request
	Fuel	On request	On request	On request	Yes	Yes	Yes	On request	On request	On request
	UV	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	No loss of properties Minimal colour variation	✓
	Salt water	✓	✓	✓	✓	✓	✓	✓	✓	N/A
	Brackish water	✓	✓	✓	✓	✓	✓	✓	✓	N/A
	Fresh water	✓	✓	✓	✓	✓	✓	✓	✓	N/A
	Drinking water	✓	✓							N/A
	Temperature Range	-30°C to 90°C	-30°C to 90°C	-30°C to 100°C	-35°C to 150°C	-35°C to 150°C	-35°C to 150°C	-35°C to 150°C	-35°C to 150°C	0°C to 90°C
	Compatible with CP systems	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Properties	Colour	Any RAL / BS 25 standard shades	Any RAL / BS 25 standard shades	Any RAL / BS 25 standard shades	Any RAL / BS 25 standard shades	Any RAL / BS 25 standard shades	Any RAL / BS 25 standard shades	Refer to TDS	Refer to TDS	Any RAL / BS 25 standard shades
	Impact on environment	None	None	None	None	None	None	None	None	None
	Viscosity	6.0 ± 1 Pas	4.5 ± 1 Pas	10.5 ± 1 Pas	25 ± 1 Pas	45 ± 1 Pas	8.8 ± 1 Pas	N/A	N/A	3 ± 1 Pas
	Adhesion value	> 8 MPa	> 8 MPa	> 8 MPa	> 8 MPa	> 8 MPa	> 8 MPa	> 8 MPa	> 5 MPa	> 5 MPa
	Flash point	> 100°C	> 100°C	> 120°C	> 100°C	> 100°C	> 100°C	> 100°C	> 100°C	> 90°C
	Full cure at 20°C	48 hours	48 hours	12 hours	24 hours	24 hours	24 hours	24 hours	36 hours	3 days
	Overcoating time	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	4 - 48 hours

*These criteria are valid to achieve the most durable protection. If a reduced coating lifetime is desired, application can continue outside this window. The existing warranties do not apply in these conditions. Please contact Acotec nv directly for more information on the expected lifetime in these conditions.