

### Corrosion protective coatings ESACOTE AC 509



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# New binder for WB corrosion protection

#### **ESACOTE AC 509**

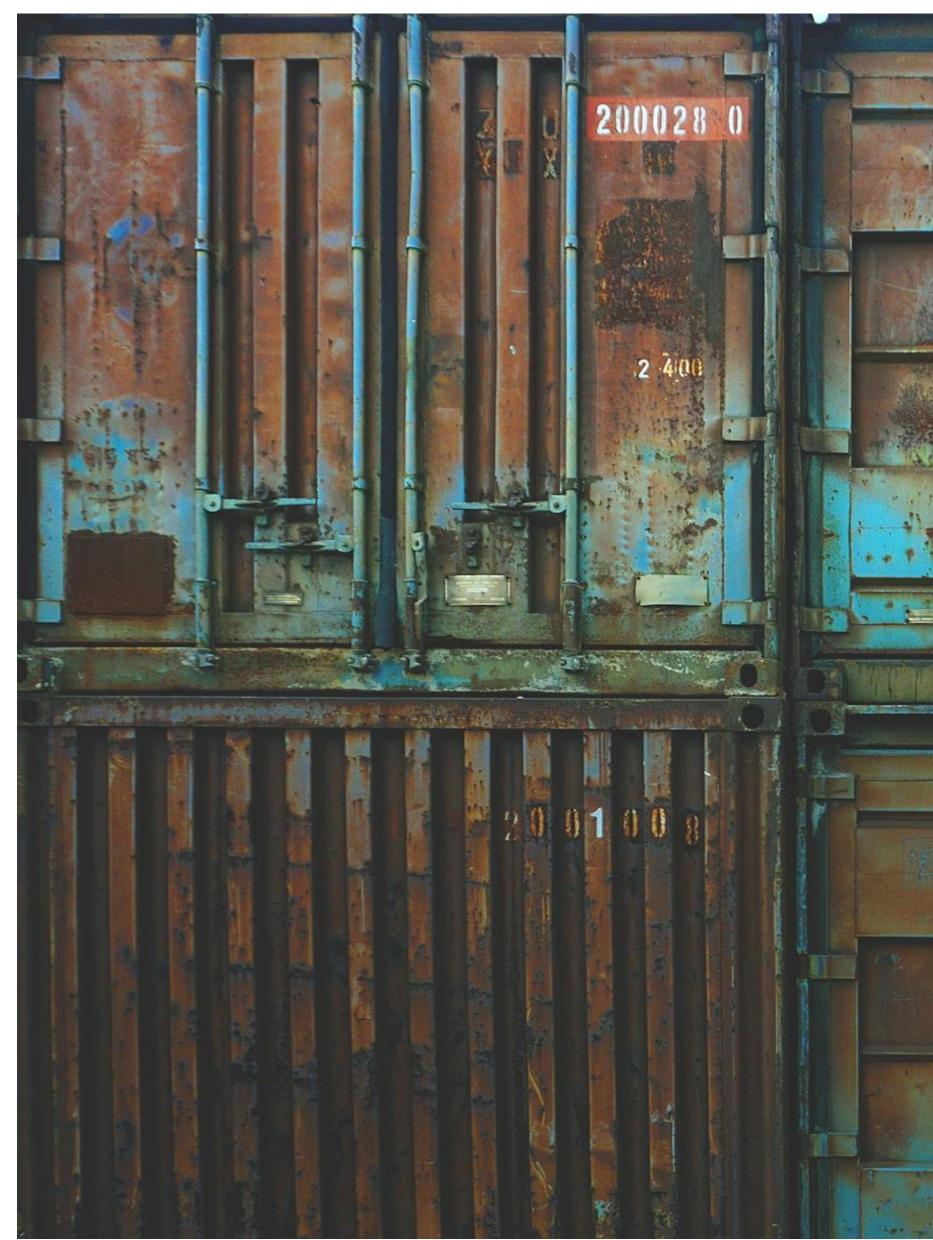
#### Typical values

Appearance at 25 °C:	milky liquid	
pH:	7,5-8,5	
(at 25°C on supplied product, ASTM E 70):		
Viscosity (mPa.s):	< 1000	
(Brookfield RVT @ 25 °C, 50 rpm spindle 2)		
Solid content, %:	42.0-44.0	

#### Product properties

Solvent content, %:		0%
Minimal film forming temperature, °C: ~25		~25
Koenig hardness (sec):		~65
Film aspect:	transparent and glossy	

Please contact our sales representatives for test methods details.





			Trade name	% w/
	STEP 1: ADD IN ORDER WITH GOOD AGITATION IN MILL BASE			ETAN
	<b>A1</b>	Water	WATER	7.00
	<b>B1</b>	Dispersing agent	TEGODISPERSE 750 W	1.05
		(EVONIK)		
	<b>C1</b>	Defoamer (BYK)	BYK 024	0.30
	<b>D1</b>	Neutralizer (ANGUS)	AMP 90	0.20
	E1	Thickener (MUNZING)	TAFIGEL PUR 85	0.50
	F1	Titanium dioxide	KRONOS 2190	17.50
		(KRONOS)		
		DISPERSE WITH HIG	H SHEAR FOR 10-15' AND ADD:	
	<b>G1</b>	Anticorrosive additive	ASCONIUM 500	1.0
		(ASCOTEC)		
LET DOWN: MIX UNDER CONSTAN			NDER CONSTANT STIRRING:	
	H1	Binder	ESACOTE <sup>®</sup> AC 509	55.8
	<b>I1</b>	Water	WATER	12.9
	L1	Defoamer (BYK)	BYK 024	0.15
	M1	Coalescing agent (DOW)	DOWANOL DPnB	2.33
	N1	Anti flash rust	ASCOTRAN H-10	0.50
		(ASCOTEC)		
ADD MILL BASE WITH HIGH SHEAR FOR 5-10' - ADJUST VIS			SHEAR FOR 5-10' - ADJUST VISC	:OSIT\
1		Thickener (DOW)	ACRYSOL RM8W	0.75
	Total			100



PAINT DATA		
PVC	15,7%	
PVC/cPVC	0.28	
Gloss (60°)	75	
SALT SPRAY TEST RESULTS (ISO-9227)		
Blistering (ISO 4628-2)	O (SO)	
Rusting (ISO 4628-3)	RiO	
Corrosion at scribe (ISO 12944)	<1.5mm	
Adhesion after 7 days (ISO 2409)	0	
CONDENSATION TEST RESULTS (ISO-6270)		
Blistering (ISO 4628-2)	O (SO)	
Rusting (ISO 4628-3)	RiO	
Adhesion after 7 days (ISO 2409)	0	
TEST CONDITIONS		
Substrate	Sandblasted steel SA2,5	
Test duration (ISO 9227)	720 h	
Test duration (ISO 6270)	480 h	
Application	1 layer	
DFT	90 μ	

#### **CORROSION CLASSES:**

- > C3 VERY HIGH: urban or light industrial with moderate  $SO_2$  level or process are of high humidity more than 25 years
- C4 HIGH: medium to high corrosion environment for mostly land based structure between 12 and 25 years
- C5 MEDIUM: high to severe conditions environment in land based and coastal structure between 7 and 15 years

TAN
7.00
1.05
0.30
0.20
0.50
17.50
2.5
55.8
11.41
0.15
2.33
0.50
OSIT
0.75
100



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