



PAINTS AND COATINGS PAINTS

DTM WB PAINT



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INGREDIENT		CONCENTRATION [%]
1	Water	6,0
2	EXOdis PC540a	0,8
3	ROKadis 900A/25	0,8
4	Defoamer	0,3
5	Titanium white	16,0
6	Luzenac 0	7,0
7	Hydrophilic fumed silica	0,2
8	EXOhib PC108	1,6
9	Water	5,0
10	Alberdingk AC 2403	55,0
11	Coalescent	2,2
12	Surface wetting agent	0,2
13	EXOhib PC500	0,4
14	HEUR additive I (50% solution)	4,0
15	HEUR additive II (50% solution)	0,1
16	Biocide	0,1
17	Defoamer	0,3



Viscosity	Brookfield, S64, 20rpm	3300 mPa·s
Adhesion after 48h of Machu test*	ISO 2409	0
Adhesion before Machu test*	ISO 2409	0
Blistering after 48h of Machu test*	ISO 4628-2	3-3 (S3), disappear after 24h
Rust after 48h of Machu test*	ISO 4628-3	Ri 0

Procedure:

1. Mix components 1–4.
2. Add components 5–7 slowly, while agitating, and mix until a homogeneous liquid is obtained.
3. Grind until the desired fineness is achieved.
4. Add components 8–17 to the pigment slurry and mix until a homogeneous liquid is obtained.
5. * Samples of the coatings, applied on steel plates, were immersed for 48 hours at 40°C in a Machu solution (50g NaCl, 10g of acetic acid, and 5g of 30% H₂ O₂ dissolved in 1L of distilled water). 24 hours of the Machu test typically correspond to 500 hours of salt spray test.



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PCC Group
Sienkiewicza 4
56-120 Brzeg Dolny
Poland

e-mail: products@pcc.eu

