

Pigmented coatings for concrete

WBF 19-09_MDU2012/ WBF 19-10_MDU2012/ WBF 19-15_MDU2012

Ingredient	Supplier	Description	WBF 19-09	WBF 19-10	WBF 19-15
			wt %	wt %	wt %
1 Water			7,00	6,70	6,70
2 Tego disperse 757W	Evonik	Dispersing agent	0,95	0,90	0,90
3 Acrysol RM2020	Dow	Thickener	0,17	0,17	0,17
4 Proxel GXL	Lonza	Biocide	0,09	0,09	0,09
5 Byk 24	Byk	Defoamer	0,05	0,05	0,05
6 Kronos 2190	Kronos	White pigment	21,00	20,00	20,00
Grind with high speed dissolver					
Michem™ Dispersion		Acrylic PUD			
7 Urethane 2012	Michelman	Hybrid	64,00	61,00	61,00
8 Dowanol DPnB	Dow	Coalescing agent	3,90	3,70	3,70
9 Water			2,19	1,76	0,86
10 Acrysol RM 2020	Dow	Thickener	0,45	0,43	0,43
11 Byk 024	Byk Additives	Defoamer	0,20	0,20	0,20
12 Michem® Guard 349	Michelman	Wax dispersion	0,00	5,00	5,00
13 Luconyl black 0060 (30%)	BASF	Black pigment paste	0,00	0,00	0,90
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			100,00	100,00	100,00

Performance Results

Gloss 60°	after 1day / RT	68	29	GU
Hardness König	after 1day / RT	70	63	sec
	after 7days / RT	90	78	sec
Taber abrasion (CS-17 1kg 1000 cycles)	after 16h 50°C	108	27	mg

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Chemical resistance (1day /RT + 16 hours 50° C)

	contact time	after 1 day recovery
Ethanol 48%	1h	4
Aceton	10sec	4
Cleaning agent	1h	4
Red wine	16h	3
Instant coffee	16h	3
Demi Water	16h	5

Early water resistance (24h drying RT°C)

	contact time	Direct /after 1 day recovery
Demi Water	1h	4 / 5
Demi Water	2h	4 / 5
Demi Water	4h	4 / 5

Rating

5= Best