

Starting Formulation



Clear Coat, glossy and semi gloss formulations

(WBF 19-07_MDU2022 / WBF 19-11_MDU2022)

Ingredient	Supplier	Description	WB19-07 wt %	WB19-11 wt %
1 Michem™ Dispersion Urethane 2022	Michelman	PUR / Acrylic Hybrid	90,70	86,40
2 Dowanol DPnB	Dow	Coalescing agent	5,50	5,25
3 Water			2,10	1,50
4 Borchigel L75 /Demiwater	Borchers	Thickener	0,25	0,25
5 Acrysol RM 2020	Dow	Thickener	0,75	0,70
6 Tego Wet 270	Evonik	Wetting agent	0,22	0,20
7 Byk 024	Byk Additives	Defoamer	0,25	0,20
8 Michem® Guard 349	Michelman	Wax dispersion	0,00	5,00
9 Water			0,23	0,50
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			100,00	100,00

Performance Results

Gloss 20°	after 1day / RT	72	10	GU
Gloss 60°	after 1day / RT	87	39	GU
Hardness König	after 1day / RT	72	70	sec
	after 7 day / RT	116	98	sec
Taber abrasion (CS-17 1kg 1000 cycles)	after 16h 50°C	47	16	mg

Clear Coat glossy formulation

(WBF 19-07_MDU 2022)

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

	Contact time	after 1 day recovery
Ethanol (48%)	1h	3
Aceton	10sec	3
Cleaning agent	1h	3
Red wine	6h	4
Instant coffee	16h	4,5
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	3/5

Rating

5= Best

