



Immediate Smoothing Primer with AGENAFLO 9050

“Formulation developed by IMCD France”

Ingredients INCI-Name %w/w Supplier

Phase A

PERMULGIN 3301	SYNTHETIC BEESWAX	6,00	KOSTER KEUNEN
PLASTIC POWDER D-400	HDI/ TRIMETHYLOL HEXYLACTONE CROSSPOLYMER, SILICA	15,00	TOSHIKI
BELSIL TMS 803	TRIMETHYLSILOXYSILICATE	3,00	WACKER
CREMERCOR MCT C-7	TRIHEPTANOIN	9,00	CREMER
CERAPHYL 494	ISOCETYL STEARATE	5,50	ASHLAND
NAFOL 1618	CETEARYL ALCOHOL	4,00	SASOL

Phase B

HDK H15	SILICA DIMETHYL Silylate	1,50	WACKER
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Phase C

BELSIL REG 1100	DIMETHICONE, VINYL DIMETHYL/TRIMETHYLSILOXY SILICATE/ DIMETHICONE CROSSPOLYMER	25,00	WACKER
BELSIL DM5	DIMETHICONE	24,992	WACKER
ZANO M PLUS	ZINC OXIDE, TRIETHOXYCAPRYLYLSILANE	3,00	UMICORE

Phase D

AGENAFLO 9050	CORN STARCH MODIFIED	3,00	AGRANA
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Phase E

AS-5812 ALKYL SILANE TREATED TITANIUM DIOXIDE	TITANIUM DIOXIDE, TRIETHOXYCAPRYLYLSILANE	0,005	COLOR TECHNIQUES
AS-5123 ALKYL SILANE TREATED RED OXIDE	IRON OXIDES, TRIETHOXYCAPRYLYLSILANE	0,003	COLOR TECHNIQUES

PROCEDURE (for 100 g batch)

1. Heat phase A to 75 – 80 °C and mix it with a magnetic stirrer until obtaining a homogeneous dispersion.
2. Add phase B into phase A under strong stirring 1500 rpm during 30 minutes and continue to heat the beaker.
3. Disperse phase C under stirring (400 – 500 rpm) until obtaining a homogeneous dispersion.
4. Stop heating and add phase C and phase D into phase A+B very slowly under strong stirring (800 – 900 rpm).
5. Mix the mixture under strong stirring, 3000 rpm during 20 minutes.
6. Add phase E and mix again 800 – 900 rpm during 3 minutes.

Appearance and characteristics: thick pinkish cream

pH: -

Centrifugation: 3000 rpm./10 min → no phase separation

Viscosity: -

Stability: nothing to report after 3 months at room temperature and 40 °C, and after 1 month at 50 °C

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