

Acronal® EXPRESS 7540 Guiding Formulation

Nr.	Raw material	Function	Percentage
Pigment grind			
	Water		10.60%
	Foamaster MO 2150	Defoamer	0.15%
	Dispex CX 4320	Dispersant	0.30%
	Dispex AA 4140	Dispersant	0.30%
	Dispex Ultra FA 4480	Wetting agent	0.40%
	Rheovis AS 1125 (1: 1 Diluted)	Rheology modifier	0.40%
	TiO ₂	Pigment	5.00%
	OmyaCarb 5 GU (800 mesh)	Filler	29.00%
	Foamaster MO 2150	Defoamer	0.15%
Letdown			
	Ammonia	pH regulator	0.70%
	Acronal Xpress 7540	Binder	50.00%
	Texanol	Coalescent	0.50%
	Acticide MV	Biocide	0.40%
	Acticide EPW	Dry film preservative	1.50%
	FoamStar SI 2240	Defoamer	0.20%
	Rheovis PU 1251	Rheology modifier	0.40%
			100.00%

Procedure of preparing paint:

1. Pigment grind part

1) Add water and additives including Foamaster MO 2150, Dispex CX 4320, Dispex AA 4140, Dispex Ultra FA 4480, Rheovis AS 1125 (1:1 diluted in advance) mixing for 2 min.

2) Dose Ti Pure R 960 raise speed up to 1,000 rpm and mix 15 min

4) Add Slowly OmyaCarb 5 GU and mix for 15 min until no lumping.

Lower the speed to 500 rpm.

2. Letdown

1) Add ammonia and check the pH to make sure it is higher than 10,5

2) Add Acronal Xpress 7540 to mix for 5 min

3) Add Texanol, Acticide MV, Acticide EPW and FoamStar SI 2240 and mix for 15 min

4) Add Rheovis PU 1251 to adjust viscosity about 105 – 115 KU, the end formulated material should have pH > 10,5.