



**ACRYLIC ULTRA MATT INTERIOR PASTEL BASE
FORMULATION ON PURE OR VA-VEOVA**

Adjustments in red

Formulation provided by Philip Green

RAW MATERIAL	ORIGINAL KG/APPROX 1000 L	ADJUSTMENT	ACTION
WATER	280-0		PREMIX FOR 5 MINS IN CLEAN POT
HEC 50000-60000 CPS GRADE	8-0	5-0 4000-6000 CPS GRADE better flow, more restriction	
MULTI-FUNCTIONAL AMINE	2-5		ADD SEPERATELY IN ORDER SHOWN ADD MIX 2 MINS
SHMP	1-2	REMOVE IF USING HEUR	
45% SOLIDS DISPERSANT	6-0	5-0	
DEFOAMER	2-0	4-0 Increase for better stain resistance	
ROCIMA 623	2-0	LOWER CMIT AND NO FORMALDEYDE RELEASER To meet EU43	
			ADD IN ORDER SHOWN
TIOXIDE	200-0		DISPERSE UNDER HSD FOR 20-25 MINS, UNTIL GRIND IS 50 MICRONS MAX
10 MICRON CACO3	100-0		
		75 WHITE TALC 20 MICRON TOP CUT Matting/stain blocking	
		25 DIATOMACEOUS SILICA Restriction matting	
ATTUPUGALITE CLAY	3-0		
WATER	20-0		WASH SIDES OF VESSAL
WATER	30-0	17-0	LETDOWN, ADD, MIX FOR 10 MINS, COOL TO 40 DEG C MAX
COALESCENT	18-5	20-5 Needed for harder polymer	
WET EDGE SOLVENT	11-2	21-2 Increase for better flow	
DEFOAMER	1-0	2-0	
50% SOLIDS STYRENE ACRYLIC	407-0	50% SOLIDS PURE ACRYLIC OR VAVEOVA MFFT 16-20 DEG C	SIEVE INTO BATCH



		Better washability/stain resistance	
			SLOWLY MIX FOR 10 MIN
WATER	51-3	44.3	PREMIX, ADD, MIX FOR 5 MINS, ADJUST PH TO 8.3-8.7 WITH AMP 95
		2-0 INCAN VISCOSITY MIDSHEAR HASE OR HEUR	
		8-0 HIGH SHEAR/FLOW HASE OR HEUR for restriction	
WATER	15-7	15-1	ADJUST VISCOSITY
TOTAL	1259.8	1259.8	

QUALITY CONTROL TESTS		
	ORIGINAL	ADJUSTED
VISCOSITY	100-110 KU @ 23 DEG C	
SG	1.21-1.25	1.22-1.27
FOG	30 MICRONS MAX	50 MICRONS MAX
VOL SOLIDS	30-32 %	
PVC	38-42 %	
pH	8.3-8.7	
SHORTFILL FACTOR	0.984	
SHEEN	SIMILAR TO STANDARD (LESS THAN 5/85 DEG HEAD MAX)	SIMILAR TO STANDARD (LESS THAN 3/85/60 DEG HEAD MAX)
OPACITY		
BRUSH, ROLLER APPLICATION, FLOW (SIMILAR TO MAJORS)		