BATHROOM CEILING PAINT
Adjustments in red
Formulation provided by Philip Green

RAW MATERIAL	KG/850L	ADJUSTMENTS	ACTION
WATER	277-0		PREMIX FOR 15 MINS
100000 CPS HEC	3.5	4000-6000 CPS HEC to improve flow, restriction, and reduce spatter	
45% SOLIDS DISPERSANT	4-0		ADD SEPERATELY IN ORDER SHOWN MIX FOR 2 MINS
MULTIFUCTIONAL AMINE	2.0	1.5	
IN CAN BIOCIDE	1-4		
DEFOAMER	1-0	3-0 To stop pin holes	
		2.5 LOW WATER LEACHABLE EU RULE 43 LABEL COMPLIANT DEY FILM BIOCIDE	
CALCINED CLAY	100-0	50-0	ADD IN ORDER SHOWN DISPERSE UNDER HIGH SPEED FOR 30 MINS UNTIL SMOOTH
TIOXIDE	35-0		
5MICRON CACO3	585	425	
		150 WHITE TALC 20 MICRONS MAX - close up film	
		35-0 DIATOMACEOUS SILCA Improve restriction/mattness	
ATTUPUGALITE CLAY	3-0		
COALESCENT	8-0	10-0 Increase because of higher polymer level	LETDOWN, MIX FOR 5 MINS
WATER	72.8		
DEFOAMER	1-0	2-0 Increase	
46% Solids Styrene Acrylic	100-0	125-0 Increase binder/water resistance	SEIVE INTO BATCH
MICROVOID OPACIFIER	40-0		

WATER	35-0	30-0	PREMIX, ADD MIX FOR 10 MINS
ACRYLIC THICKENER	5-0	10-0 MEDIUM SHEAR URETHANE THICKENER To improve water/fungus resistance	ADJUST PH TO 8.5 MIN WITH AMMONIA
WATER	12-0		ADJUST VISCOSITY
TOTAL	**1292.7**		

QUALILITY CONTROL TESTS	
VISCOSITY	110-120 KU @ 23 DEG C
SG	1.50-1.55
VOL SOLIDS	28-32 %
PVC	78-81%
COLOUR DRY OPACITY	0.960-0.0965 AT 120MICRONS WFT
SCRUBS	5000-8000 SABS
	MUST BE EQUAL, BETTER THAN STD
S=SERVOCHEM SOURCED RM	