



**NORMAL CEILING PAINT**  
*Adjustments in red*  
*Formulation provided by Philip Green*

RAW MATERIAL	ORIGINAL KG/850L	ADJUSTMENT	ACTION
WATER	277-0		PREMIX FOR 15 MINS
100000 CPS HEC	3.5	4000-6000 CPS HEC Improve flow, restriction and reduce splatter	
45% SOLIDS DISPERSANT	4-0		ADD SEPERATELY IN ORDER SHOWN MIX FOR 2 MINS
MULTIFUNCTIONAL AMINE	2.0	3.0 Increase as more acrylic thickener will be added	
IN CAN BIOCID	1-4		
DEFOAMER	1-0	2-0 Stop pin holes	
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	450	
		150 WHITE TALC 20 MICRONS MAX Close up film	
		35-0 DIATOMACEOUS SILCA Improve restriction/mattness	
ATTUPUGALITE CLAY	3-0		
COALESCENT	8-0		LETDOWN, MIX FOR 5 MINS
WATER	77-3	75.8	
DEFOAMER	1-0	2-0 Increase	
46% Solids Styrene Acrylic	100-0		SEIVE INTO BATCH
MICROVOID OPACIFIER	40-0		
WATER	35-0	30-0	PREMIX, ADD MIX FOR 10 MINS ADJUST PH TO 8.5 MIN WITH AMMONIA ADJUST VISCOSITY
ACRYLIC THICKENER	5-0	10-0 Increase to cut spreading rate and splatter	
WATER	12-0		
<b>TOTAL</b>	<b>1292.7</b>	<b>1292.7</b>	



<b>QUALITY CONTROL TESTS</b>		
	<b>ORIGINAL</b>	<b>ADJUSTED</b>
VISCOSITY	110-120 KU @ 23 DEG C	110-120 KU @ 23 DEG C
SG	1.50-1.55	1.45-1.50
VOL SOLIDS	28-32 %	28-32 %
PVC	78-81%	78-81%
COLOUR DRY OPACITY	0.960-0.0965 AT 120 MICRONS WFT	0.960-0.0965 AT 120 MICRONS WFT
SCRUBS	5000-8000 SABS	5000-8000 SABS
	MUST BE EQUAL, BETTER THAN STD	MUST BE EQUAL, BETTER THAN STD
S=SERVOCHEM SOURCED RM		