



APPLEGATE R FOAM INSULATION

MIXING INSTRUCTIONS

1. MIX (4) 55 LB. BAGS OF APPLEGATE R FOAM INSULATION SPRAY-DRIED POLYMERIC RESIN WITH APPROXIMATELY 38 GALLONS OF WARM WATER TO MAKE 55 GALLONS (1 DRUM) OF WATER/RESIN BLEND.
2. ADD 8 GALLONS OF FOAMING CATALYST CONCENTRATE TO 47 GALLONS OF WARM WATER TO MAKE 55 GALLONS OF FOAMING CATALYST BLEND.
3. USING DIGITAL FLOWMETERS, MAKE FOAM IN A 1:1 VOLUMETRIC RATIO TO A FRESH FOAM DENSITY OF 3.5-4.5 LB/FT³.
4. WARM WATER IS PREFERRED FOR MIXING. FOR BEST RESULTS, MAINTAIN RESIN/WATER BLEND AT A TEMPERATURE OF 75°F-80°F.
5. TO MAKE FOAM, START BY ESTABLISHING THE MINIMUM PRESSURE SETTING AT WHICH THE RESIN STREAM PRODUCES A GOOD, CONICAL SPRAY PATTERN OUT OF THE RESIN TIP. THIS VALUE CAN RANGE FROM 100 PSI UP TO 200 PSI DEPENDING ON HOSE LENGTH, HOSE DIAMETER AND PRODUCT TEMPERATURE. NORMALLY IT'S AROUND 140 PSI.
6. NEXT, USING THE DIGITAL FLOW METERS, MAKE FOAM TO DETERMINE THE PROPER PRESSURE SETTING FOR THE FOAMING CATALYST STREAM. NORMALLY THIS IS 90-130 PSI.
7. SET THE AIR PRESSURE SETTING 10 TO 20 PSI LOWER THAN THE FOAMING CATALYST STREAM PRESSURE.
8. "BREAK" TIME FOR THE FOAM SHOULD BE 15-30 SECONDS.



RESIN MIXING			
No. of Drumsets	No. of Bags	Water (Gallons)	Final Volume of Blend (Gallons)
	1	10	14
	2	19	28
	3	29	41
1	4	38	55
	5	48	69
	6	57	83
	7	67	96
2	8	76	110
	9	86	124
	10	95	138
	11	105	151
3	12	114	165

Mixing Instructions for 1 Drumset

1. Mix four 55 lb. bags of resin with 38 gallons of warm water to make 55 gallons water/resin blend. For partial drumsets, mix 10 gallons of warm water with each bag of resin.
2. Mix for approximately 15-20 minutes after all resin and water are added.
3. Meter equal amounts (by volume) of resin blend and foaming agent blend along with compressed air using foaming equipment to make foam.
4. Fill cavity with foam using either pressure-fill or top-fill technique.



FOAMING CATALYST MIXING			
No. of Drumsets	No. of Jugs	Water (Gallons)	Final Volume of Blend (Gallons)
	1	6	7
	2	12	14
	3	18	21
	4	24	28
	5	29	34
	6	35	41
	7	41	48
1	8	47	55
	9	53	62
	10	59	69
	11	65	76
	12	71	83
	13	76	89
	14	82	96
	15	88	103
2	16	94	110
	17	100	117
	18	106	124
	19	112	131
	20	118	138
	21	123	144
	22	129	151
	23	135	158
3	24	141	165

Mixing Instructions for 1 Drumset

1. Mix 8 gallons of foaming catalyst concentrate with 47 gallons of warm water to make 55 gallons foaming catalyst blend.
For partial drumsets, add 6 gallons of water for each gallon of concentrate.
2. Run pump for approximately 15-20 minutes after all catalyst and water are added to ensure proper mixing.
3. Meter equal amounts (by volume) of resin and foaming agent blend along with compressed air using foaming equipment to make foam.
4. Fill cavity with foam using either pressure-fill or top-fill technique.



Yields

3,700 Board Feet / Drumset

1,050 ft² of 2x4 Wall / Drumset

675 ft² of 2x6 Wall / Drumset

1300 8-Inch CMU / Drumset

850 12-Inch CMU / Drumset