

FILE NAME: Premix-Marbletite (PMM)

DATE: 1968-1977

DOC#: PMM004

DOCUMENT DESCRIPTION: Plant Formula Worksheets

February 11, 1974
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

PREMIX CONCENTRATE M-9 (Concentrate C)

DESCRIPTION OF PRODUCT: Concentrate for the manufacture of Marbletite Stucco.

<u>FORMULA</u>		<u>R.M.</u>		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Asbestos SG210	Bulking Agent	13	13.75	
Zinc Stearate	Waterproofing	53	.50	
* Emathlite	Workability	15	78.75	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

MASTER BATCH FORMULATION

Date 8-15-74

Sack wt. 50

PRODUCT WALLTEX M-49

[illegible]

August 15, 1974 .

Supersedes all previous formulas

MIAMI PLANT FORMULA

WALLTEX M-49

DESCRIPTION OF PRODUCT: An animal glue and starch based wall texture.

<u>FORMULA</u>		<u>R.M.</u>		
<u>Raw Materials</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* #9 Marble	Filler	5	64.20	
325 Talc	Filler	17	17.60	
Huber 90 Clay	Filler/			
	Plasticizer	26	5.02	
Starch 747	Hardener	31	4.18	
Asbestos SG210	Bulking Agent	12	5.03	
* Attagel 50	Bulking Agent/			
	Plasticizer	16	0.75	
CMC - 7MT	Adhesion	38	0.75	
Red Stripe Glue	Adhesion	40	2.12	
Colloids 513D	Thickener	34	0.20	
* Vanicide 51Z	Fungicide	50	0.15	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T.C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	72	54	66

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

* Denotes Change

PREMIX-MARBLETITE

PRODUCT FORMULA

LOCATION MIAMI 9-24-76EXPERIMENTAL CODE NO. #4.

PRODUCT GROUP _____

EFFECTIVE DATE _____

PRODUCTION DATE _____

DESCRIPTION OF PRODUCT SNOW FLAKE.15 OXS. 50 LB BAG + 20 LBS

FORMULA

RAW MATERIALS	FUNCTION	R.M. SPEC. NO.	%	LBS/BATCH
POLYVINYL 5235				10 LBS
HAMAC 267				20 LBS
TITANIUM				4 LBS 102
HEDHAN FIBRE				30 LBS
METHOCEL				12 1/2 OZ
#9 MARBLE				844 + 40 LBS 44.1 102
BENTONITE CLAY				20 LBS
BEAD				25 LBS
TALC 3X				160 LBS
VAN CIDE				12 1/2 OZ
FR NICA				20 LBS
PYROPHYLLITE				40 LBS
COLLOID 51300				5 OZ

WORKING CONSISTENCY _____

T.C. SPECIFICATIONS MAXIMUM MINIMUM AVERAGE

TENSILE STRENGTH TEST _____

WORKING PROPERTIES _____

COLOR _____

PLANT MANAGER _____

John Cowie
 QUALITY CONTROL MGR.
 (PRODUCT DEVELOP.)

PRESIDENT _____

February 11, 1974
 Supercedes November 16, 1973 form

ORLANDO PLANT FORMULA

SNOWFLAKE 0-43

DESCRIPTION OF PRODUCT: A vinyl based ceiling spray, using Polystyrene aggregate.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Polystyrene Bead	Aggregate	61	8.08	
Fiber #2	Bulking Agent	60	3.26	98
325 Talc	Filler	17	29.94	900
P80F Mica	Filler/Slip	41	16.63	500
Attagel #50	Bulking Agent/		3.33	100
	Plasticizer	16		
#9 Marble	Filler	5	1.66	50
Polyvinyl Alcohol	Adhesive	28	39.92	1200
Attagel #50 (c)	Bulking Agent/		1.66	50
	Slip	16		
Methocel 228 (c)	Thickener	36	0.70	22
Trend Soap (c)	Plasticizer	58	0.60	18
#9 Marble (c)	Filler	5	0.03	1
Polyvinyl Alcohol			0.33	10
	(c)			
Mica P80F (c)	Adhesion	28	1.20	36
	Slip	41	0.74	22
			3.85	
			1.35	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	100	108	116

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

VINYL SPOT TEST - Refer to plant testing procedure No. 2

PRODUCT SNOWFLAKE 0-43

MASTER BATCH FORMULATION

Date 2-11-74

Sack wt. 38-
31-1/2

MATERIAL	PERCENT BY WEIGHT	100 SACK BATCH		120 SACK BATCH		70 SACK BATCH	
		sacks	pounds	sacks	pounds	sacks	pounds
POLYSTYRENE BEAD	1.92 3.26		5 98				
FIBER #2	29.94	18	900				
325 TALC	16.63	13	650				
P80F MICA	1.92 3.33	2	50 100				
ATTAGEL #50	1.92 1.66	1	50				
#9 MARBLE	39.92	24	1200				
POLYVINYL ALCOHOL	1.66	1	50				
ATTAGEL #50 (c)	0.70		22				
METHOCEL 228 (c)	0.60		18 12				
TREND SOAP (c)	0.03		1				
#9 MARBLE (c)	0.33		10				
POLYVINYL ALCOHOL (c)	1.20		36				
MICA P80F (c)	1.74		22				
CONCENTRATE @ 108#	35		300-7				
ASP 670	3.00	1	100				
BESTOS SG-210	3.00	7	210				
CONCENTRATE @ 108#	35		300-7				

ORLANDO PLANT FORMULA
SNOWFLAKE CONCENTRATE O-53

DESCRIPTION OF PRODUCT: Premixed concentrate for the manufacture of Snowflake.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M: Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Attagel #50	Bulking Agent/ Plasticizer	16	20.06	
Methocel 228	Thickener	36	16.48	
Trend Soap	Plasticizer	58	0.56	
#9 Marble	Filler	5	9.42	
Polyvinyl Alcohol	Adhesion	28	33.52	
Mica P80F	Plasticizer/ Filler	41	19.96	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

T. C. Specifications: Maximum Minimum Average

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

VINYL SPOT TEST - Refer to plant testing procedure No. 2

Sack Wt. 60

PRODUCT SNOWFLAKE CONCENTRATE 0-53

[illegible]

PREMIX MARBLETITE

PRODUCT FORMULA

Mar 1, 005 A-F

LOCATION ORLANDO
PRODUCT NAME AND NUMBER Snowflake
EFFECTIVE DATE 1/4/77 PRODUCTION DATE 1/4/77
DESCRIPTION OF PRODUCT _____

FORMULA

RAW MATERIALS	FUNCTION	R.M. SPEC. NO.	%	LBS/BATCH
Polyvinyl Alcohol	Binder		1.02	25
Hamaco #267	Adhesive		2.03	50
Titanium	Pigment		.37	9
Hedman Fiber	Bulking Agent		4.07	100
Methocel	Thickener		.08	2
#9 Marble	Filler		65.06	1600
Bentonite Clay	Hiding Agent		2.68	66
Bead	Aggregate		2.03	50
Talc 3X	Filler	8.13	16.26	400
Vancide	Bacteriacide		.10	2.5
AA Mica	Filler		2.03	50
Pyrophillite	Plasticizer		4.07	100
Colloids	Defoamer		.20	5

WORKING CONSISTENCY 2459.5 total

T.C. SPECIFICATIONS MAXIMUM MINIMUM AVERAGE

TENSILE STRENGTH TEST

WORKING PROPERTIES

COLOR

BRABENDER VISCOSITY

CRACK RESISTANCE

BONDING PROPERTIES

VINYL SPOT TEST

Plant Manager

John Cowie

QUALITY CONTROL MGR

(Product Development)

Harry E. Pouch

PRESIDENT

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # Orlando Plant

PRODUCT NAME Snowflake

REPLACED _____

DATE 11/11/70

DATE REPLACED _____

OK'ED BY _____

COMMENTS: _____

BATCH SIZE 36-35# bag
Plant Batch
BAGS

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Al Hacer #50	30		.1118	3.354		
Methacell #15000	5		.8500	4.250		
Vind RP 251	35		.4840	16.940		
Onis ²²⁷⁶	1/2		.2276	.114		
Asbestos 7 RF9	60		.0482	2.893		
Fiber #2	550		.0392	21.560		
Marble #10	500		.01051	5.255		
Chopped Farn	37 1/2		.2000	7.500		
Mica Diamond 1203	50		.039166	1.958		
Zinc Stearic	1		.3420	.342		
	1269			64.166		
Material Cost - 35# bag				1.782		
Cost of Bag				.113		
Labour Cost				.190		
Direct Cost				2.085		
Sales Price				3.21		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

Concurrence

Date 11/24/70 Product Ans - Flake Yield PER Batch 400 at 4 1/2

Material	Bags	Pounds
----------	------	--------

attest 50 4 B. J. J.

methanol

15000	4 Bagk
-------	--------

Quinn A.

Trend	10	#
-------	----	---

72F9

[Handwritten signature]

ESB	4 12/24
-----	---------

RC#18	5 B/gk
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~~30/12~~ 30/12

~~max 40 Bags max 2 per Batch~~

Bag at 53#

make 20 Bags use 1 Per Batch

at 35#

12 Aug

PREMIX-MARBLETITE PRODUCTS, INC.
(ORLANDO PLANT)

FEB 2 1972

REPLACED

DATE REPLACED

100

Plant Batch

BAGS

BAGS 53^{1/2} bags

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Attagel, #50	200		.1098	21.96		4 bags
15,000 Methacryl A	200		.90	180.00		4 bags
Trend Soap Dry	10		.1895	1.8950		
R.C. HTX	250		.1025	25.6250		5 bags
217 Vinyl	400		.40	160.00		8 bags
	1060*			390.48		
MATERIAL COST PER 53 ^{1/2} LB				195240		
COST OF BAG				1145		
TOTAL DIRECT COST				19.6385	OR	3705 PER LB.
TOTALS	1060					

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

PLANT FORMULA

PRODUCT ENO FLAKE CONCENTRATE

DATE 3-3-71

[illegible]

INTER PLANT FORMULA WORK SHEET

PREMIX-MARBLETITE PRODUCTS, INC.
(ORLANDO PLANT)

FEB 2 1972

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Sir-Lanka

REPLACED _____

DATE March 3, 1971

DATE REPLACED _____

OK'ED BY _____

COMMENTS: _____

BATCH SIZE 70 bags @ 25#
Plant Batch _____
BAGS 35# bags

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Lead	62 1/2#		.3621	22.6312		
Attap	80		.1098	5.49		1
Mica	100		.0278	2.78		21
Silica #2	1100		.0398	43.78		22
#10 Marble	1000		.0112	11.20		20
In Wool Machine						
1 7 Vinyl	50		.40	20.00		1
SPD 100-127RF9	60		.0606	3.6360		
Concentrate	53		.3705	19.6365		1
	2475 1/2			129.1537		
MATERIAL Cost per 35#				1.8264		
COST OF BAG				.1373		
LABOR COST				.1917		
TOTAL DIRECT COST				2.1853		
TOTALS	2475 1/2					

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

2796
014 2093

2.1853
2796

24649
Hantak-Premix000064

PLANT FORMULA

PRODUCT **SHO FLAKE**

DATE **3-3-71**

MATERIAL	POUNDS	BAGS	GALLONS
	(62½ #) 7 min		
Bond			
Atagel	50	1	
Mica	100	2	
Fibre #2	1100	22	
#10	1000	20	
XXXXXXXXXX	XXXX	XXXX	
In Wool Machine			
217 Vinyl	50 45	1 XXXX	
5R01 Asbestos 627RFY	60		
<i>Concentrate</i>	53	1	
Total wt.	2475½		
Bag at	35		
Makes 70 plus 25%			

PLANT FORMULA

PRODUCT	SNO-FLAKE CONCENTRATE	DATE	July 13, 1972
MATERIAL	POUNDS	BAGS	GALLONS
Attagel 50	200	4	
Methocel 228	300	6	
Trend Soap Only	10		
AWD	160	3 & 10#	
# 9 Marble	170	3 & 20#	
217 Vinyl	400	8	
Total Weight	1240		
Bag at 62# - Makes	20 Bags --- Use one bag per batch		
<u>CONCENTRATE PER BATCH</u>			
Attagel 50	10		
Methocel 228	15		
Trend Soap	$\frac{1}{2}$		
Titanox AWD	8		
# 9 NCS	8 $\frac{1}{2}$		
217 Vinyl	20		
Total Weight per sx	62		

PLANT FORMULA

PRODUCT SNO-FLAKE CONCENTRATE		DATE July 13, 1972		
MATERIAL	POUNDS	BAGS	GALLONS	
Attagel 50	200	4	462 950	<i>Adhesive Form</i> Bags 9+12.26
Methocel 228	300	6	350 350	7
Trend Soap Only	10		12	
AWD	160	3 & 10#	200	4
# 9 Marble	170	3 & 20#	200	4
217 Vinyl	400	8	712 500	<i>4 bags + 12 c</i> <i>3 drums + 67 lb</i>
<i>Mica</i>	<i>424</i>		<i>424</i>	<i>8 1/2</i>
Total Weight	1240		2360	
Bag at 62# - Makes	20 Bags -- Use	one bag per batch		<i>Bag @ 59 lb</i> <i>59 lb</i> <i>60 bags 39 1/2 lb</i>
<u>CONCENTRATE PER BATCH</u>			<i>3 bags</i> <i>or 2 bags</i>	<i>@ 39 1/2</i> <i>Concentrate as</i>
Attagel 50	10		12.5	23.1
Methocel 228	15		17.5	17.5
Trend Soap	$\frac{1}{2}$		6	6
Titanox AWD	8		10	10
# 9 NCS	$8\frac{1}{2}$		10	10
217 Vinyl	20		25	35.6
Total Weight per sx	62	<i>Mica</i>	424	21.2

PLANT FORMULA

PRODUCT		SNO-FLAKE		DATE		July 13, 1972	
MATERIAL	POUNDS	BAGS	GALLONS				
Bead	(7 min) 62½			New 190 lb 8 min			
Attagel 50	50	1	1 bag	1 bag 5			
Mica	100	2	2 bags	2 bags 1			
325 tale Fibre #2	1100	22	20 bags	20 bags 4 1400 10			
#9 NCS Marble	1000	20	8 bags 325 24 bags	25 bags 12.50 12			
IN WOOL MACHINE							
217 Vinyl	50	1	60.6 lbs	1 bag 50 50			
Asbestos 59210 Asbestos 7RF9	60		1 bag 30 lbs 50 210	1 bag 30 31			
Concentrate	62	2	2 bags 118	2 bags 62 118			
Supplemental Concentrate				50 #			
Total Weight	2475½						
Bag at	35						
Makes 70 bags plus	25#			10 bags 12.5 min 20 bags 25.0 min 40 bags 50.0 min			

PRODUCT

PLANT FORMULA

Low flake concentrate

DATE _____

2/26/71

[illegible]

PLANT FORMULA

PRODUCT **SNO FLAKE CONCENTRATE**

DATE **3-3-71**

MATERIAL	POUNDS	BAGS	GALLONS
Attagel 50	200	4	
15000 METHOCCEL 229	300 200	4 6	
Trend Soap only	10		
ROHIX AWD	160#	3 5x+10#	
# 9	170#	3 1/2 4	
217 Vinyl	400	8	3 5x+20#
Total wt.	1240 1240#		
Bag at	62#		
Use 1 bag per batch			
makes 20 Bcp			
CONCENTRATE - PER BATCH			
ATTAGEL 50	10#		
METHOCCEL 15000	15#		
TREND SOAP	1/2#		
TITANOX AWD	8#		
# 9 NCS	8 1/2#		
217 VINYL	20#		
TOTAL WT PER SX	53# 62#		

PLANT FORMULA

PRODUCT

Concentrate Sun-floke

DATE

2/4/71

MATERIAL	POUNDS	BAGS	GALLONS
<i>attagel 50</i>	<i>200</i>	<i>4</i>	
<i>15000 methyl</i>	<i>200</i>	<i>4</i>	
<i>tand soap only</i>	<i>10</i>	<i>—</i>	
<i>7RF9 acetate</i>	<i>400</i>	<i>4</i>	
<i>RC47X</i>	<i>250</i>	<i>5</i>	
<i>total wt. 1060#</i>			
<i>Bag at 53#</i>			
<i>make 20 bags</i>			
<i>use one per batch</i>			

DATE 1/4/71

Hantak-PremixC00072

PLANT FORMULA

PRODUCT <i>Sno Flake</i>		DATE <i>2/26/71</i>	
MATERIAL	POUNDS	BAGS	GALLONS
<i>Bead</i>	<i>62 1/2 # 7 min</i>		
<i>staple</i>	<i>50</i>	<i>1</i>	
<i>inies</i>	<i>100</i>	<i>2</i>	
<i>fiber #2</i>	<i>1100</i>	<i>22</i>	
<i># 10</i>	<i>1000</i>	<i>20</i>	
<i>concentrate</i>	<i>3.3</i>	<i>1</i>	
<i>in use machine</i>			
<i>217 Vinyl</i>	<i>70 #</i>	<i>1 + 20 #</i>	
<i>5001 acetate</i>	<i>100 #</i>		
<i>total wt. 2475 1/2 #</i>			
<i>Bag of 35 #</i>			
<i>make 70 # 25 #</i>			

PLANT FORMULA

PRODUCT **SNO FLAKE**

DATE **3-3-71**

MATERIAL	POUNDS	BAGS	GALLONS
Bead	(62½ #) 7 min		
Atagel	50	1	
Mica	100	2	
Fibre #2	1100	22	
#10 #1 9 NCS	1000	20	
Concentrate	30	1	
In Wool Machine			
217 Vinyl	50 15	1 bag	
5R01 Asbestoes 627RFY	60		
Concentrate	53 62½ #	1	
Total wt.	2475½		
Bag at	35		
Makes 70 plus 25#			

Orlando

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Flo-spray

REPLACED _____

DATE 11/20/70

DATE REPLACED _____

OK'ED BY _____

CONTENTS: _____

BATCH SIZE 4- 32# bags
Plant Batch _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
SPV	65		.0375	2.438		
Methocell 15000	7 1/2		.85	6.380		
Diammonium Phosphate	13		.1545	2.009		
Ammonium Bicarbonate	8		.2750	2.200		
Casew	50		.3553	17.765		
Dow A	2		.6604	1.321		
Berd	69		.40	27.600		
Wool	30		.05	1.500		
Asbestos SPO	30		.10178	3.053		
RCHT	100		.1025	10.250		
Marble #10	1050		.01081	11.036		
Fiber #2	250		.0392	9.800		
Talc VHT	300		.0193	5.790		
	1974			106.847		
Material Cost per 32# Bag				1.6581		
Cost of Bag				.1107		
Labor Cost				19.00		
Total Direct Cost				195.88		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Flu-spray (concentrate)

REPLACED _____

DATE 11/10/70

DATE REPLACED _____

OK'ED BY _____

COMMENTS: _____

BATCH SIZE 52 @ 59 1/2 #
Plant Batch _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
SPV	1300		.0375	48.750	SPV	65 325
Cellucize	91		.9000	81.900	Cell 1500	7 1/2 82.50
Ammon. Bicarbonate	182		.2750	50.050	Phos	13 .1545 2
Diammon. Phosphate	182		.1545	28.119	Bib.	8 .2750 2
Daw A	52		.6604	34.341	Cosin	50 .3353 17
Casent	1300		.3453	448.890	DA	2 6450 1
	3107			692.050		Beal 64# 40 - 27
Material Cost per bag at 52 lbs				13.3097		Wood 30 .05 1
Cost of bag (P18A)				.1013	S201	30 1018 30
Cost of Concentrate				13.4100	RECHT	100 1025 10.2
Cost per pound at 55 1/2 lbs				.2254	H10	1050 1.15 11.0
					VHT	300 193 570
					H2	250 322 930
						1800
						PTM 5100
TOTALS						32 # 6160

MIXING INSTRUCTIONS: _____

NOTIFY LAB OF ACTUAL COST PER LB.

64

EX. # _____

REPLACED

DATE REPLACED _____

OK'D BY _____

COMMENTS:

BATCH SIZE: 56 bags per
Plant Batch

07
100
89
06

Success

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Flar spray (concentrate)

REPLACED.

DATE 11/10/70

DATE REPLACED _____

OK'D BY _____

CONTENTS:

BATCH SIZE 52 @ 59 1/2 #
Plant Batch
LBS. BAGS

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST		LBS.	BAGS	
SFV	1300		.0375	48.750		JRU	65	3 ²⁵ 2.04
Cellucize	91		.9000	81.900		melt 1500	7 1/2	82 ⁵⁰ 6.19
Ammonium Bicarbonate	182		.2750	50.050		Phos	13	1545 2.01
Diammonium Phosphate	182		.1545	28.119		Bib.	8'	.2750 2 ²⁰
Daw A	52		.6604	34.341		Crown	50	.3853 17 ⁷⁶
Copied	1300		.3453	448.890		DA	2	64 ⁵⁰ 1.29
	3107			692.050				
Material Cost per bag at \$2/bag				13.3087				
Cost of bag (P18A)				.1013		SROI	30	1018 306
Cost of Concentrate				13.4100		RCHT	100	1025 10.25
Cost per pound at 55% lbs				.2254		HIO	1050	105 1103
						VHT	300	193 579
						AZ	250	372 9 ⁵⁰
								100.0
								KMUT & DUSK
								32# 61 b0
TOTALS								160

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

10/2/70

fly-spray concentrate

	pounds	BAGS
Dow A	89 #	
amm. Borate	112 #	
phosphate	112 #	
15000 methylol	175 #	3 bags + 25 #
Carbimol	700 #	7 bags
KCVTX	420 #	8 bags + 20 # 10/13/70
SPV	700 #	7 bags

Bag at 50 # E.A. makes 46 Bags
use 3 Bags per Batch

Bag at 41 # makes 46 Bags 10/13/70
use 3 Bags per Batch

11/18/70

mel capacity
100 pgs

SPV 70

15000 8 #

phosph 13

Berete 13

asme 50

Blod. S

Daw. S

wood. S

A.S.B. S

RCHT 100

VHT 550 - 300

~~Winglab - 400 #~~

fibro #2 - 250 #

Winglab - 400 # = 500

#10 - 400 # = 550

#3 65 #

7 1/2

8 #

#2

300

~~300~~

200

550

550

SPV 70

met 8

32# Per Bag

Date 11/19/70

Product

Yield PER Batch

Batch#

Material

Bags

Pounds

SPV

8/10/20

Day 2

20 #

Berti

90 #

Phosphat

1 Aug 90 #

Cash

5. Bright

15000

40	
----	---

1640

1 alkanoate

20

Берд

1260 #

29 Oct

Box # 48 1/2 #

make 60 use 3 bags

Concentrate

Date *11/16/70*

Product

flc-spray

Yield PER Batch

40

Batch#

Material

Bags

Pounds

SPV

10 Bags

Dow-A

20 #

Borate

140 #

Phosphate

140 #

15000 4 Bags + 20 #

Cosaline

10 Bags

Bagit 6.3 # marker 40 Bags

use 2 per Batch

Date 11-16-70

Product

F20 - SPRAY

Yield PER Batch

Batch

Batch#

Material

Bags

Pounds

S.P.V.

50

15,000

11

PHOS.

7

Bib.

7

CRSEI/M

50

A

2

BEARD

10 1/2

66

Wool

186

30

PRO-1

30

PCNTX

100



10

550

V.E.T.

600

7F950

50

PRODUCT

1/2 Spray Concentrate

DATE

11/8/70

MATERIAL

POUNDS

BAGS

GALLONS

11/9/70

SPV

55 #

70 #

RRS

6 1/2 #

phosphate

7 #

7 #

borate

4 #

4 #

Lamine

46 #

50 #

Dow-A

2 #

2 #

11/8/70

Bead - 10 1/2 min

maol - 1

TRC1 - 50 #

RCHX - 3

40-200 - 1

10 - 12

VHT - 18

INSTRUCTIONS:

PREMIX PRODUCTS, INC.
300 N. E. 72ND STREET, MIAMI, FLA.

14-5-70
TERRITORY _____
SALESMAN _____

JOB	ADDRESS & PHONE	CONTRACTOR	REMARKS
SPV	11/7/70 50 LB.		
15,000	5 1/2 6 # 11/7/70		
CFSEIN	46		
PHOS.	4		
BIB.	4		
F	2 14 1/2 13 2 #		
580-1	30		
WOOL	1 BG.		
BCHTX	150		
RF-950	100 11/7/70		
VHT	600 900 11/7/70		
WING DALE	600 400 11/7/70		
40-200	100		
#10	300 11/7/70		
	air milk		

12/1/70

#6

Date <i>12/1/70</i>		Product		Yield PER Batch											
Batch#															
Material	Bags	Pounds													
SPV	40 #														
Phos	8 #	✓													
Zeolite	8 #	✓													
Asum	50	✓													
H	2 #	✓													
1/4 Bag	meal	✓													
Shol	30 #	✓													
RC4TX	100 #	✓													
#10	850 #	✓													
WHT	300 #	✓													
#fiba	250 #														
	200 #														
WCO	4 #														
	11 #														

Commentati

Product

Yield PER Batch 40 at 58 #

EXHIBIT 3

~~Hantak-Premix000088~~

PREMIX PRODUCTS, INC.
300 N. E. 72ND STREET, MIAMI, FLA.

#1

TERRITORY 7-23-70

SALESMAN _____

JOB	ADDRESS & PHONE	CONTRACTOR	REMARKS
	FLO-SPRAY		
	CONC.		
DOW-F	128 64 LB.	2.90 (2.90)	5.81
MM-BIB.	80 #	(1.93)	3.86 3.86
MM-PHOS.	80 #	(1.93)	3.86 3.86
✓ 000	125 #	(5.68) 2 Bags + 25 #	11.36 ✓
SEIN	500 #	(11.36) 5 Bags	45.45
RCH.T.X.	850 #	17 Bags	77.27
S.P.V.	500 #	(45) 5 Bags	45.45
43 Bags + 49 #			
MAKES 40 BAGS AT 50 LB.			
40 BAGS TO EACH BATCH			

WATER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Flo-Spray

REPLACED

DATE 11/10/70

DATE REPLACED _____

OK'D BY _____

CONTENTS:

BATCH SIZE. 56 ha

Plant. Hatch.

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Lead 10 1/2 m.m.k	72.1875		.3886	28.052		
Wool (1 bag)	30		.0500	1.500		
Asbestos SROI	15		.10178	1.527		
Concentrate (2 bags)	119		.2254	26.823		
AF 950	50		.01334	.667		
R-4TX	150		.09275	13.912		
Marble - Wingham white	1000		.01376	13.760		
Pele VHT	500		.01660	8.300		
	1936.1875			94.541		
Material cost of 344 bag				1.6882		
Cost of Bag				.1107		
Label				.1900		
Direct Cost				1.9889		
Sugg Price				3.06		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

04/10/60

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____ EX. # _____
PRODUCT NAME Flo-Spray REPLACED _____
DATE 11/20/60 DATE REPLACED _____
ORDERED BY _____

CONTENTS: _____ BATCH SIZE 4- 32# bags
Plant Batch _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
SPV	65		.0375	2.438		
Methocel 15000	7 1/2		.85	6.380		
Diammonium Phosphate	13		.1545	2.009		
Ammonium Bicarbonate	8		.2750	2.200		
Casew	50		.3553	17.765		
Dew A	2		.6604	1.321		
Bond	69		.40	27.600		
Wool	30		.05	1.500		
Asbestos Srol	30		.10178	3.053		
RCHT	100		.1025	10.250		
Marble #10	1050		.01051	11.036		
Fiber #2	250		.0392	9.800		
Talc VHT	300		.0193	5.790		
	1974			101.847		
Material Cost per 32# Bag				1.6581		
Cost of Bag				.1107		
Labor Cost				19.00		
Indirect Cost						
				195.88		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB. ~~CONFIDENTIAL~~
~~Formula~~
~~BACK SHEET~~

1-7-77

FLO-TEX.

#9 MARBLE	40 LBS.	20 LBS.	10 LBS. •
AA MICA	2 LBS 8 oz. ✓	1 LB + 4 oz.	10 oz. •
PYRAX WA	3 LBS 7 oz. ✓	1 LB. 11 1/2 oz.	13 3/4 oz. •
VAN CIDE	1/2 oz.	1/4 oz.	1/8 oz. •
TITANIUM	4 1/2 oz.	2 1/4 oz.	1 1/8 oz. •
COLLOIDS	3 oz.	1 1/2 oz.	3/4 oz. •
METMOCEL	1 oz.	1/2 oz.	1/4 oz. •
X VINYL	4 1/2 oz.	2 1/4 oz.	1 1/8 oz. •
= STARCH	6 oz.	3 oz.	1 1/2 oz. •
NYTAL 99	10 1/2 oz.	5 1/4 oz.	2 5/8 oz. •
HED FIBRE	10 1/2 oz.	5 1/4 oz.	2 5/8 oz. •



Premix-Marbletite

MFG. CO., INC.

Let's Finish Together . . .

MIAMI - 3009 N.W. 75th Avenue 33122
ORLANDO - Oviado & Sanford Road 32707
HOUSTON - 8321 Hempstead Road 77008

Phone: 305-592-5000
Phone: 305-323-2830
Phone: 713-869-6341

INTEROFFICE MEMORANDUM

TO: _____

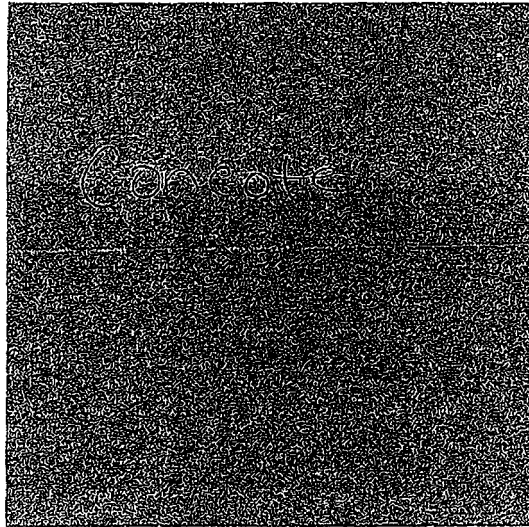
Date: 1/7/77

FROM: 1

Location: MIAMI

SUBJECT: FLOTEX

MATERIAL.	lbs	oz
#9 MARBLE	40	—
A.A. NICA	2	8
FRAX BORWA	3	7
VAN CURE	—	1/2
TITANIUM	4	1/2
COROLDS	3	
AGTHOCEL	1	
VINYL	4	1/2
STARCH	6	
REAL NYTAL	10	10 1/2
HED FIBRE	10	10 1/2



Mizum Plant

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Concrete

REPLACED _____

DATE 11/12/20

DATE REPLACED _____

OK'ED BY _____

CONTENTS: _____

BATCH SIZE 13 - @ 70#
Plant Batch _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Cement Taster	1/4		.474	.119		
Air Entrained Lime	50		.01980	.990		
Moulding Plaster	100		.0184	1.840		
Gauging Plaster	50		.0184	.920		
Keenes Cement	50		.0344	1.720		
40-200 Marble	250		.0102	2.550		
Asbestos TFI	5		.049	.245		
Asbestine Fiber	3		.0356	.107		
Un-fibered Gypsum	150		.0141	2.115		
PA Marble	200		.01019	2.038		
Normal 251	1/2		.48	.720		
White Cement	47		.0196	.921		
	906 3/4			14.285		
Material Cost of 70# bag				1.0988		
Bag Cost				1.116		
Labor Cost				.1900		
Direct Cost				1.4004		
Swing Price				2.15		
TOTALS				2.20		

MIXING INSTRUCTIONS:

(p-4)

NOTIFY LAB OF ACTUAL COST PER LB.

5308 AM

PREMIX-MARBLETITE

Experimental PRODUCT FORMULA

LOCATION Orlando

EXPERIMENTAL CODE NO. _____

PRODUCT GROUP Dry wall Flotex

EFFECTIVE DATE 1-3-77

PRODUCTION DATE _____

DESCRIPTION OF PRODUCT Color to match new ceiling spray

FORMULA

RAW MATERIALS	FUNCTION	R.M. SPEC. NO.	%	LES/BATCH
<u>#9 Marble</u>	_____	_____	_____	<u>21.00</u>
<u>PP Mass</u>	_____	_____	_____	<u>1.50</u>
<u>Pyrophosphate</u>	_____	_____	_____	<u>2.00</u>
<u>Whitella</u>	_____	_____	_____	<u>2.5</u>
<u>MWD</u>	_____	_____	_____	<u>25.0</u>
<u>Colloids</u>	_____	_____	_____	<u>10.0</u>
<u>Methocel</u>	_____	_____	_____	<u>4.0</u>
<u>Vinyl</u>	_____	_____	_____	<u>25.0</u>
<u>Spacers</u>	_____	_____	_____	<u>27.5</u>
<u>Bentonite Clay</u>	_____	_____	_____	<u>50.0</u>
<u>Kelman Fiber</u>	_____	_____	_____	<u>50.0</u>

WORKING CONSISTENCY 2694

T.C. SPECIFICATIONS MAXIMUM MINIMUM AVERAGE

TENSILE STRENGTH TEST _____

WORKING PROPERTIES _____

COLOR _____

Albert H. Summers

PLANT MANAGER

QUALITY CONTROL MGR.
(PRODUCT DEVELOP.)

PRESIDENT

OCTOBER 17, 1969

CONCOTE

SMALL MIXER

Pounds

1/4	lbs.	1,250	Cream of Tartar
1	sx.	50,000	Asbestine ^{Fin} LIME
1	sx.	100,000	Moulding Plaster
1/2	sx.	50,000	Gauging Plaster
1/2	sx.	50,000	Keenes Cement
2-1/2	sx.	250,000	40/200 Marble
5	lbs.	5,000	Asbestos (7TFL)
3	lbs.	3,000	Asbestine (4325) ^{7TFL #2}
1-1/2	sx.	150,000	Unfibred Gypsum
2-1/2	sx.	200,000	P.A. Marble
1-1/2	lbs.	1,500	P.V.A. (#251 VINYL)
1/2	sx.	47,000	White Cement

906.750

906 3/4

lbs. per sx.

70 lbs.

sx. per mix

25.9 1295

1 1/4 Lbs Emethelite

400 11/13/70

October 11, 1973
Supercedes all previous formulas

ORLANDO PLANT FORMULA

TOPCOTE O-14

DESCRIPTION OF PRODUCT: A pre-mix of aggregate and cement for use on patios and pool decks.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
White Cement	Strengthenener	2	30.74	1504
OZ Marble	Aggregate	7	32.71	1600
Sand	Aggregate	8	32.71	1600
Finish Lime	Strengthenener/ Plasticizer	10	2.04	100
Zinc Stearate	Water Proofing	53	0.26	12
Emathlite	Plasticizer	15	1.55	76

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
------------------------------	----------------	----------------	----------------

DATE: 7/19/71

500

Dicks Joint Cement.

Копия

$$\frac{x}{2} + 3$$

Water 212 gal

Valco

Viol 1 (3) 336 bs

24001

Textivo 2421

三子

Trayson 3.4 lbs

celvito 1 20/30 BP 28 lbs

Naftosol 250 HXR 22 $\frac{3}{4}$ lbs

Western Mice 453 lbs

Asbestos	159 lbs
----------	---------

19 variable 2850 lbs.

When you adjust for viscosity add 2 gallons of emulsion with water added.

100-8445

Q. 22

100

DATE: April 14-77

Formula Meki Joint Cement 008 1st

Wet Mix

Water 212 gal

Noleo 7.5 lbs

Vinyl B 336 lbs

Glycol 2 gal

Tennol 2 gal

Gray-Mix

Traysan 3.5 lbs

Gelvit 1 20/30 28 lbs

Nalrosol 250 WXR 22 3/4 lbs

Western Mice 453 lbs

Asbestos 159 lbs

NO TA TI ON

when you adjust for viscosity add 2 gal/lbs

of emulsion with water added.

TEMPERATURES

CRACKS

OPERATOR

NAMES OF MACHINE OPERATOR & CREW	TIME STARTED	TIME FINISHED	

See Form. about Dates April 14-72

Change made by Rick Latta

4/13/72

<u>LBS</u>		Pounds	%	CHANGE	Pounds	%	BAI
- 26	Water	1826.00	32.04	↓	1783	30.04%	212
	Nalco	7.50	.15				
+ 60	Emulsion	300.00	5.26		360	7.26%	
	Glycol	18.00	.31				
	Troysan	3.50	.06				
	Getvitol	28.00	.49				
	Naltrisol	22.75	.40				
	Miciz	455.00	7.98		453	7.73%	
	Asberlos	157.00	2.75		159	3.00%	
	Marble Dust	2850.00	50.00				
	Texinol	18.00	.31			added	

February 11, 1974

Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

TOPCOTE M-14

DESCRIPTION OF PRODUCT: A pre-mix of aggregate and cement for use on patios and pool decks.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Sand	Aggregate	2	32.95	72.5
07 Marble	Aggregate	7	32.71	
White Cement	Strengtheners	8	30.74	20.0
Finish Lime <i>or LIME</i>	Strengtheners	10	2.05	7.5
Emathlite	Workability	15	1.55	<u>100.00</u>

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

PREMIX-MARBLETITE

PRODUCT FORMULA

LOCATION MIAMI

EXPERIMENTAL CODE NO. _____

PRODUCT GROUP MARBLE CHIPS (WHITE)

EFFECTIVE DATE 11/4/76

PRODUCTION DATE _____

DESCRIPTION OF PRODUCT _____

FORMULA

RAW MATERIALS	FUNCTION	R.M. SPEC. NO.	%	LBS/BATCH
<u>Oz Marble</u>	<u>Aggregate</u>	_____	_____	<u>1500</u>
<u>Water</u>	_____	_____	_____	<u>1 gal.</u>
<u>Perfume</u>	<u>Aroma</u>	_____	_____	<u>2 oz.</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

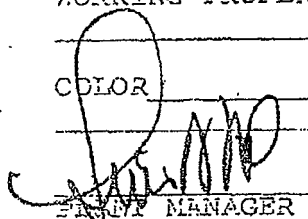
WORKING CONSISTENCY _____

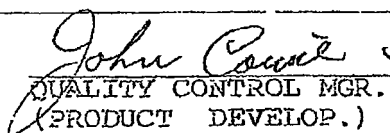
T.C. SPECIFICATIONS	MAXIMUM	MINIMUM	AVERAGE
_____	_____	_____	_____

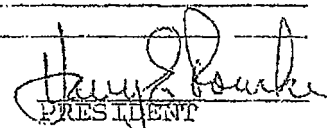
TENSILE STRENGTH TEST _____

WORKING PROPERTIES _____

COLOR _____


PLANT MANAGER


QUALITY CONTROL MGR.
(PRODUCT DEVELOP.)


PRESIDENT

DATE: 9/30/71

DAG WT.

Joint Cement

FORMULA

Jagypson CMP-10-SEP 3 1/2 #

Gelvetol 2060 BP 28 #

National 250-VXR 224 #

Diamond Mica 9 SX. 5 #

TRF-9 Asbestos 1 SX. 57 #

#10 Marble 30 SX.

#10 Marble 27 SX.

TOTAL-8415

Operator

EXHIBIT 3 MACHINE

DATE: 7/30/70
65-57

DAB WT. 83 Bucket

FORMULA Direct Cement

Starting Water 220 gals.

Waco 7 LBS.

Vinyl 131 300 lbs or 31.2 gal

Powder

Total Water

Viscosity

Total: 800 lbs

Operator

Machine

EXHIBIT 3

Hamak-Hemk000107

Premix

9/30/70

Mixing Procedure for Wet Mixer

- A. Starting Water 220 gals.
- B. Malco 7 LBS or 1 quart.
- C. Vinyl 300 LBS. (Ulean 131)

These above ingredients should be add to Wet Mixer in above order & mix 15 mins.

D. Procedure for adding filler to wet mix is as follows.

- A. Wet mix must be running
- B. Filler must have blended for 15 mins.
- C. Open gate on Bucket elevator
- D. Start dumping the remaining 1,350.00 LBS of #10 to Dry powder & Blender.

١٧

3. Conclusions

1. 19: 62 2. 1. 2. 3. 4. 5.

1. A.

[illegible]

of the ... TRIA ... SEARCH:

if a material that might cause a stream to be

Second, the network should be "open"

...and the fact that the *Journal* is a journal of the American Psychological Association, the largest and most influential organization in the field of psychology, adds to the significance of the work.

22. Consider the graph

c) Tergo (Carnegie) (1994)

$$a \cdot a' = 1 \Rightarrow a = a^{-1}$$

WATER PLANT FORMULA WORK SHEET

Orlando

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Joint Cement - liquid

REPLACED _____

DATE 10/3/20

DATE REPLACED _____

OK'D BY _____

COMMENTS: _____

BATCH SIZE 95/5 gal can

Plant Batch # 475

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Water	1922	821	-	n/c		
Cellulose # 228	19		.8250	15.675		
Collards #60	6		.2923	1.754		
Vinyl CA 100-B10	486		.11500	55.890		
Die Thylene Glycol	80		.0950	7.600		
Asbestos 7RF9	135		.04822	6.510		
Diamond Mich	200		.039166	7.833		
AAA Mich	200		.02800	5.600		
12000	1000		.01299	12.990		
200 100	1 1/2		1.0390	1.559		
12 lb #10	2000		.01051	21.020		
	6049 1/2			136.431		
Cost per cost per 5 gal can			(Cans)	1.4361	Cost of 1 gal 28.22 x 4	1.1488
Cost of Can				.7744	28.22 x 4	.3168
Label Cost				.1900	28.22 x 4	.1600
Direct Cost				24.005		1.644
Sugg Price				349		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

MASTER BATCH FORMULATION

PRODUCT PUTICOTE M-34

Date 2-11-74

Sack Wt. 70

[illegible]

February 11, 1974
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

PUTICOTE M-34

DESCRIPTION OF PRODUCT: A Keene cement and lime based putty plaster.

<u>FORMULA</u>		R.M. <u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
<u>Raw Materials</u>	<u>Function</u>			
40/200 Marble	Aggregate	6	22.37	
30/50 Marble	Aggregate	3	5.93	
Keene Cement	Set Strengthener	42	15.13	
Finish Lime	Plasticizer/ Strengthener	10	47.37	
* Gauging Plaster	Set	44	9.20	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

SET TIME - Refer to plant testing procedure No. 9

* Denotes Change

October 11, 1973

Supercedes all previous formulas

ORLANDO PLANT FORMULA

PUTICOTE 0-34

DESCRIPTION OF PRODUCT: A keene cement and lime based putty plaster.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Pyrax B	Filler	14.	2.98	50
Lime (Finish)	Strengtheners/ Plasticizer	10	47.62	800
Keenes Cement	Strengtheners	42	14.88	250
Unfibred Gypsum (Bestwall only)	Setting Quality	43	8.93	150
40/200 Marble	Aggregate	6	17.86	300
30/50 or PA Marble	Aggregate	3	6.0	100
Asbestine	Filler	17	1.79	30

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

T. C. Specifications: Maximum Minimum Average

SET TIME - Refer to plant testing procedure No. 9

Miami Plant

ENTER PLANT FORMULA WORK SHEET

#1 Mixer

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Puti coat

REPLACED _____

DATE 11/12/70

DATE REPLACED _____

OK'ED BY _____

CONTENTS: _____

BATCH SIZE 24 70# bags

Plant Batch

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Pyrex B	50		.0604	3.020		
Finish line	800		.0203✓	16.256		
Keenes Cement	250		.0344	8.600		
Unfibred Gypsum	150		.0141	2.115		
Marble # 40/200	300		.0102	3.060		
Marble # 30/50	100		.0115	1.115		
Asbestos Fiberite✓	30		.0356	1.068		
	1680			35234		
Material cost of 70# bag				1.4681		
Bag cost (P-4)				.1116		
Labor Cost				.1900		
Direct Cost				1.7697		
Surge Price				2.72		
Cement Price				2.45		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

PHONE 839-0550 P. O. BOX 10371 TAMPA, FLORIDA 33679

Tapcode

15+

White Cement - 20 Lbs 11oz

XO Marble - 34 Lbs

Sand - 24 Lbs

Zinc Stearate - 3.2oz

UM.P. - 1 Lbs 4oz

Color

Buff

79

8003



MULTIWALL PAPER BAGS
POLYETHYLENE SHIPPING BAGS

Hantak-Premix000115

7-03-63

Yellow 4oz.

UMBER 1/2oz.

Concentrate

1 lb 4oz. V.M.P. 300 or 600.

3.2oz Zinc Stearate
4oz Yellow

EXHIBIT 3

450 MY

TOP COAT — B —

3-30-77

DASH.

CEMENT — 30 lbs. 3/50

SAND. — 24 lbs.

400 MARBLE — 24 lbs.

UMP \$600 1 lb. 800.

CALCIUM STERIL — 800.

79 + 1600

80/60

Concrete

5/7/11

Pounds Req'd

→ 30
→ 5
→ 35
→ 50
→ 550
→ 500
→ 150
→ 270
→ 50
→ 1

1641 #

10 ITEMS

32# PER BAG

51.28 BARS PER MIX

51.28
32) 1641.00
1807 44
44
32
90
64
260
256

[Signature]

PRODUCT BEDDINGCOTE

MASTER BATCH FORMULATION

Date _____

Sack Wt. 80

MATERIAL	PERCENT BY WEIGHT	100 SACK BATCH		120 SACK BATCH		70 SACK BATCH	
		sacks	pounds	sacks	pounds	sacks	pounds
SAND	45.33	36	3600	44	4400	25	2500
40/200 MARBLE	4.54	4	400	4	400	2	200
XO MARBLE	14.96	12	1200	14	1400	9	900
WHITE CEMENT	17.04	14 1/2	1363	18	1692	10	940
FINISH LIME	9.06	15	750	18	900	10	500
A/E LIME	4.53	7	350	8	400	5	250
ASBESTOS 7RF9	2.49	2	200		240		140
ZINC STEARATE	.63	2	50		61		35
EMATHLITE	.85		68		82	1	50
PYRAX B.	.57	1	50	1	50		32
			8031		9625		5547
		EXHIBIT 3				Hantak	Premix000118

October 6, 1969

FINISHCOTE

Small Mixer:

8	sq.
6	sq. plus 33 lbs.
33-1/3	lbs.
13-1/3	lbs.
<u>10</u>	<u>lbs.</u>
1,189	lbs.

80 1b. SX.

Sand

Lime (Blue Bag)

Asbestine

Keene's Cement

Attage1 #50

AUGUST 15, 1968

FINISHCOTE PLASTER

COLOR	FULL BATCH	3/4 BATCH	1/2 BATCH
BLUE	6 lbs. BLUE	4½ lbs. BLUE	3 lbs. BLUE
LT. BLUE	3 lbs. BLUE	2 lb. 4 oz. BLUE	1½ lb. BLUE
FLAMINGO PINK	3 lb. 2 oz. RED 4 lbs. L. YELL.	2 lb. 6 oz. RED 3 lbs. L. YELL.	1 lb. 9 oz. RED 2 lbs. L. YELL.
GREEN	6 lbs. INT. GREEN	4 lb. 8 oz. INT. GREEN	1½ lbs. INT. GREEN
LT. GREEN	3 lbs. INT. GREEN	2 lb. 4 oz. INT. GREEN	1½ lbs. INT. GREEN
TURQUOISE	6 lbs. BLUE 18 oz. INT. GREEN	4½ lb. BLUE 14 oz. INT. GREEN	3 lbs. BLUE 9 oz. INT. GREEN
BUFF	4 lbs. LEM. YELL. 2 lb. RAW UMBER	3 lb. LEM. YELL. 1½ lb. RAW UMBER	2 lb. LEM. YELL. 1 lb. RAW UMBER
CORAL	4 lbs. RED 2½ lbs. L. YELL.	3 lbs. RED 1 lb. 14 oz. LEM. YELL.	2 lbs. RED 1 1/4 lbs. LEM. YELLOW
	2 lb. RAW UMBER	1½ lb. RAW UMBER	1 lb. RAW UMBER

ENTER PLANT FORMULA WORK SHEET

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME Acousticate

REPLACED _____

DATE 11/12/70

DATE REPLACED _____

OK'ED BY _____

COMMENTS: _____

BATCH SIZE 19 - 45# bag
Plant Batch _____
BAGS _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
Perlite - Regular 12 bags	300		.0446	13.328		
Finish line	400		.02032	8.128		
Attapcl #50	50		.1026	5.180		
Asbestos 7 TFI	100		.0490	4.900		
Zinc Stearate	1		.342	.342		
Vinyl 217	5		.480	2.400		
	<u>850</u>			<u>34.288</u>		
Material Cost per 45# bag				1.8096		
Cost of Bag				.1538		
Lab Cost				.1900		
Total Direct Cost				<u>2.1484</u>		
Suggested Rate				331		
Current Price				3.00		
TOTALS						

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

PREMIX-MARBLETITE

PRODUCT FORMULA

LOCATION Orlando

EXPERIMENTAL CODE NO. _____

PRODUCT GROUP Snowflake Coarse - Ecker

EFFECTIVE DATE 1/30/76

PRODUCTION DATE 1/30/76

DESCRIPTION OF PRODUCT _____

FORMULA

RAW MATERIALS	FUNCTION	R.M. SPEC. NO.	%	LBS/BATCH
#9 Marble	Filler		82.3	1400
Celluflocy 92 <u>92</u>	Bulking Agent	X	4.7	80
Bead	Aggregate		4.4	75
Vinyl	Binder		1.2	20
Methocel	Thickener		.41	7
Colloids	Defoamer		.41	7
Vancide	Bacteriacide		.06	1 3/4
Titanium	Pigment		.53	9
Attagel	Thickener		.2	34
Hamaco 267	Adhesive		.2	34
ASP 170	Hiding Agent		.2	34

WORKING CONSISTENCY _____

T.C. SPECIFICATIONS MAXIMUM MINIMUM AVERAGE

TENSILE STRENGTH TEST _____

WORKING PROPERTIES _____

COLOR _____

Albert J. Summers
PLANT MANAGER

QUALITY CONTROL MGR.
(PRODUCT DEVELOP.)

Harry E. Roub
PRESIDENT

L. Y.
Luis Gurrea

Prepote (80)

4/5/72

WHITE PAINT 135 GALLONS

<u>GRIND:</u>	GALLONS	POUNDS
WATER	60	
METHOCEL 15°000		6.7
POTASSIUM TRIPOLYPHOSPHATE		1.5
ETHYLENE GLYCOL	4 1/2	
CARBITOL ACETATE	1 1/2	
NOPCO N.E.		3.0
SNOWFLAKE #9		5.0
ASP. #400		250.0
TITANIUM DIOXIDE RUTILE		200.0
FLA #100		3.0

LET DOWN:

EMULSION : PV 105	40	
AMMONIAC WATER (6.5%)		1.5

ADD COMPONENTS IN ORDER SHOWN, GRIND TO SMOOTH PASTE: LET DOWN

—NOTE—

MIX METHOCEL WITH GLYCOL THEN DROP IN MIXER

PLANT FORMULA

PRODUCT P.V.L. FILLERCOTE

DATE 8/21/71

MATERIAL	POUNDS	BAGS	GALLONS
MOULDING PLASTER	200 lbs.	5	
GAUGING PLASTER	100 LBS.	1	
ASBESTOS 7TF1	6 lbs.		
FIBER #2	6 lbs.		
40/200 MARBLE	60 lbs.	3	
UNFIBERED GYPSUM	11 lbs.	3	
TOTAL LBS. PER BATH	382 lbs.		
WEIGHT PER BAG	90 lbs.		
.BAGS PER BATH	12 + 62 lbs.		
THE THIS FORMULA IS FOR SMALL MIXER			

INSTRUCTIONS*

October 6, 1969

REDDINGCOTE

Small Mixer

5	sz.	Sand
2	sz.	White Cement
2	sz.	Lime Blue Bag
1	sz.	Lime Aquaseal
2	sz.	S.A. Marble
27-1/2	lbs.	Asbestos — <u>7TF1</u>
6	lbs.	Asbestine — <u>FIBRE #2</u>
1	lbs.	R 901
1/2	sz.	40/200 Marble
<u>7</u>	lbs.	Zinc Stearate
1089-1/2	lbs.	

WT.
Wt. per sz. 80 lbs.

No. of sz. per mix 13.5

PRODUCT P.V.L.O-33

Sack Wt. 35

[illegible]

Sack Wt. 80

PRODUCT TOPCOTE M-14 471-1

[illegible]

PLANT FORMULA

PRODUCT

Brushcote.

DATE _____

6/29/71

PRODUCT			
MATERIAL	POUNDS	BAGS	GALLONS
White Cement	376	4 sk	
Finish Lime	150 Lbs	3 sk	
Type 83 Clay	50 Lbs	1 sk	
Barium Chloride	10 Lbs		
Zinc Stearate	5 Lbs		
Total Lbs per Batch	591 Lbs.		
Weight per Bag	40 Lbs		
Bags per Batch	14 sk + 31 Lbs.		

INSTRUCTIONS*

PLANT FORMULA MARION Mixer.

PRODUCT

Beddingcote

DATE

6/10/71

MATERIAL	POUNDS	BAGS	GALLONS
Sand.	2000	20 sx	
White Cement	752	8 sx	
Finish Lime	400	8 sx	
A/c Lime	200	4 sx	
x O Marble.	640	6 sx + 40 Lbs.	
Asbestos TFEI	110	1 sx + 10 Lbs.	
Fiber #2	24		
Titanium R-901	4		
40/200 Marble.	200	2 sx	
Zinc Sterate.	28		
UMP 3000	37		
Total Lbs. per Batch	4395 Lbs.		
Weight per BAG.	80 Lbs.		
Bags per Batch	54.9		
Supersedes Formula dated	4/15/71		

(22)

INSTRUCTIONS*

ON. Colors Do Not Use Titanium R-901

Plantak-Form 000129

Plantak-Form 000129

INTER PLANT FORMULA WORK SHEET

(MIAMI PLANT)
3009 N. W. 75th AVENUE
MIAMI, FLORIDA 33122

LABORATORY FILE # _____

EX. # _____ 26.4%

PRODUCT NAME P/M JOINT CEMENT

REPLACED S/P \$3.75 (5 gal.)

DATE _____

DATE REPLACED 4/1/72

OK'D BY _____

COMMENTS: _____

BATCH SIZE 95/5 gal cans
Plant Batch

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS
Starting Water		220	-	N/C		
Nalco	7 1/2		.4187	3.1402		
Vinol 131 (UCAR)	300		.1400	42.00		
Troysan (EMPIO)	3 1/2		1.0600	3.71		
Gelvator 20/30 B/P	28		.5500	15.40		
Mitrosol 250 HHXR	22 3/4		.8200	18.6550		
Diamond Mica	455		.0398	18.1090		
Marble	2850		.01088	31.0080		
Asbestos 7RF9	157		.0606	9.5142		
Totals	4516 3/4			141.5364		
Material Cost Per 5 Gal Can				1.4898		
Cost of Can				.80		
Labor Cost				.1917		
TOTAL DIRECT COST				2.4815		
TOTALS	4516 3/4					

MIXING INSTRUCTIONS: 300# Vinol 131 (UCAR) 22 inches

NOTIFY LAB OF ACTUAL COST PER LB. O/H 2796

#1 MIXER

ROOFNOTE

DATE _____

GALL

WHITE CEMENT

564

6

LIME - Finish

25

1 1/2

TITANIUM R-901

1 1/2

1 1/2 LB.

10 MARBLE

1200

24

VINEC#217

 $4\frac{1}{2}$

4 1/2 LB.

4-K Mica

4 1/2

4 Y 2 B.

ZINC STERATE

10

10 LB.

TOTAL 1859

BAG RT 80 LB. EACH

BAGS PER. BATCH 23.2

Hantak-Premix000131

November 16, 1973
Supercedes Oct. 11, 73 formula

MIAMI PLANT FORMULA

CEMCOTE M-2

DESCRIPTION OF PRODUCT: Dry mix powdered paint which is to be combined with water to produce a smooth textured, readily applied coating for all masonry surfaces.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
#9 Marble	Filler	5	36.17	
White Cement	Strengthener	8	42.25	
Finish Lime	Plasticizer-Slip	10	16.12	
Zinc Stearate	Water proofing	53	0.64	(see over)
* Salt	Air Entrainment			
* Attagel 50	Accelerate Set	57	3.22	
	Bulking Agent-Slip	16	0.64	
Polyvinyl alcohol	Adhesive	28	0.96	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	50	36	45

WORKING PROPERTIES - Refer to testing procedure No. 8.

COLOR - White - Shall match standard white sample
Colored - Shall match color for said sample.
(see color formulas)

* Denotes Change

7.18-73 PRODUCT WALLTEX

Taurus Lamin

MATERIAL	POUNDS	BAGS	GALLON
<u>Formula to be used with concentrate</u>			
#9 Marble	300		
concentrate	128		
Asb. TRE-9	400	(HEPMAN) 26. 1/18/77.	
Staramic 330	125		
Red Stripe SIAK	125 out.		
Huber 90 clay	200 BENT		
Talc 325	700		
#9 Marble	2000		
<u>Concentrate:</u>			
Attagel 50	900	} Mix together for 10 minutes without adding other ingredients.	
Titanax RA 47	1500		
CMC - TMT	900	} Add these and mix another 15 minutes	
Colloids 513 DD	250 250		
Dawicide A	300		
least 5 minutes			

INSTRUCTIONS*

October 11, 1973
Supercedes all previous formulas

MIAMI PLANT FORMULA

WALLTEX M-49

DESCRIPTION OF PRODUCT: An animal glue and starch based wall texture.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
#9 Marble	Filler	5	57.81	
325 Talc	Filler	17	17.60	
Huber 90 Clay	Filler/ Plasticizer	26	5.02	
Starch 330	Hardener	31	4.18	
Asbestos 7RF9	Bulking Agent	12	10.06	
Titanium	Whiting	20	1.26	
Attagel 50	Bulking Agent/ Plasticizer	16	0.75	
CMC - 7MT	Adhesion	38	0.75	
Red Stripe Glue	Adhesion	40	2.12	
Colloids 513D	Thickener	34	0.20	
Dowicide A	Fungicide	52	0.25	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T.C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
-----------------------------	----------------	----------------	----------------

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

PRODUCTION NOTE: Grind Titanium with equal weight of #9 Marble,
separate adhesives from Asbestos with #9 Marble.

November 16, 1973
Supercedes Oct. 11, 73 formula

MIAMI PLANT FORMULA

WALLTEX M-49

DESCRIPTION OF PRODUCT: An animal glue and starch based wall texture.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* #9 Marble	Filler	5	59.17	64.20
325 Talc	Filler	17	17.60	
Huber 90 Clay	Filler/ Plasticizer	26	5.02	
Starch 330	Hardener	31	4.18	
Asbestos 7119 <i>Change</i>	Bulking Agent	12	10.06	43
* Attagel 50	Bulking Agent/ Plasticizer	16	0.75	
CMC - 7MT	Adhesion	38	0.75	
Red Stripe Glue	Adhesion	40	2.12	
Colloids 513D	Thickener	34	0.20	
* Vanicide 51Z	Fungicide	50	0.15	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T.C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	72	54	66

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

* Denotes Change

Walter - Raw Material Price List

Company	Material	LBS	Price Per lb	Price per
Georgia Marble	#9 Marble	300 LBS	.011038	3.31
Tanox	Titanox A.W.D.	50 LBS	.24	12.00
ulf Const Chem.	Attagel #50	30 LBS	.0995	2.99
ercules	CMC-7MT	30 LBS	.47	14.10
olloids of Carolina	Colloids 513DD	8 LBS	.3881	3.10
H. Ross	Dowcider A	10 LBS	.7740	7.74
nt. talc	Talc 325	700 LBS	.03662	25.63
umpson-Hayward	Asbestos 7RF9	400 LBS	.045337	18.13
ber Clay Co.	Huber Clay #90	200 LBS	.0644	12.88
aley Mfg	Staramic Starch #330	166 LBS	.1761	29.23
irling Co.	Red Stripe Food Adhesive	84 LBS	.4150	34.86
orgia Marble	#9 Marble	2000 LBS	.011038	22.08
		3978	\$2.731	186.05

Total Lbs per batch 3978 LBS

Total bags per batch 79.6

Total lbs per Bag 50 lbs

Total price per Bag = \$2.34

October 6, 1969

WALLTEX - DRY SPRAY

Small Mixer

20-1/2	bags	#10 Georgia Marble
1/2	bag	Attagel #50
15	lbs.	Vinac RP-251
1/2	bag	Vinol 522
2-1/2	lbs.	1 GEPON AC-78
1	bag	H-200 or 4K Mica
<u>1/2</u>	lb.	Orvis
1155-1/2	lbs.	

MIXING INSTRUCTIONS:

After everything is in batch- mix for
at least 5 minutes.

45 lbs. per bag

26 bags per mix

42
06



WALLTEX

MARBLE #9	168 300
HEDMAN	400
STARCH	125
"	125
BENTONITE.	200
TALC 3+	700
MARBLE #9	2000

3978 Lbs

79.5

805

ATTAGEL #50	900
TITAN	1500
CMC - 7HT.	900
COLLOIDS 51 JDD.	250
DOWICIDE A.	300

3850

120 bags

30 mixes

32 Lbs. per bag, concentrate

Need 4 Bags Concentrate per batch

Color Match
Snowflake

PLANT FORMULA

PRODUCT

Waltex DRYWALL

DATE

1/14/69 OK 1058

MATERIAL

POUNDS

BAGS

GALLONS

Methocell 15000

1 Pound

Attagel #50

38 Pounds

Vincol 522

40 Pounds

Asbestine Fiber #2

1 BAG

Iceburg Clay

1 BAG

#10 MARBLE

20 BAGS

Asbes for TFI

1 BAG

Batch Size 1297 Lbs

INSTRUCTIONS*

PACK 45 Lbs. per BAG

EXHIBIT 3

Hantak-Premix 000140

PLANT FORMULA

PRODUCT MARBLECRETE SPRAY

DATE July 13, 1972

MATERIAL	POUNDS	BAGS	GALLONS
White Cement	1410	15	
S A Marble	1600	20	
P A Marble	1600	20	
Reg. Lime	850	17	
Concentrate	31½	2	
Zinc Stearate	50	2	
Emathlite	50	1	
Air Ent Lime	400	8	per MR
Sand	3000	30	
Total Weight	8991		
Bag at 80#			
Makes/ 112 bags & 31#			
For color in small mixer use ½ batch/			

PLANT FORMULA

PRODUCT MARBLECRETE SPRAY

DATE July 13, 1972

MATERIAL	POUNDS	BAGS	GALLONS
White Cement	1410	15	
S A Marble	1600	20	
P A Marble	1600	20	
Reg. Lime	850	17	
Concentrate	31 $\frac{1}{2}$	2	
Zinc Stearate	50	2	
Emathlite	50	1	
Air Ent Lime	400	8	per MR
Sand	3000	30	
Total Weight	8991		
Bag at 80#			
Makes 112 bags @ 31#			
For color in small mixer use $\frac{1}{2}$ batch/			

PLANT FORMULA

PRODUCT MARBLECRETE -- For Marion Mixer DATE July 13, 1972

MATERIAL	POUNDS	BAGS	GALLONS
White Cement	1880	20	
Concentrate	146	4	
Finish Lime	800	16	
Premix - X	1600	16	
Air Ent. Lime	400	8	
Sand	5050	50½	
Total Weight	9876		
Bag at 80 #			
Makes 123 bags & 36#			
For Color figure for 120 Bags			
Make <u>Oyster White only</u> this mixer			

(ORLANDO PLANT)
ENTER PLANT FORMULA WORK SHEET **PREMIUM-MARBLETE MANUFACTURING CO.**
 (ORLANDO PLANT)

LABORATORY FILE # _____ EX. # _____

PRODUCT NAME MARBLECRETE SPRAY REPLACED S/P \$2.45

DATE _____ DATE REPLACED 4/1/72

OK'ED BY _____

COMMENTS: _____ BATCH SIZE 112 & 31#
 Plant Batch

MATERIAL	LBs.	Gal.	UNIT COST	TOTAL COST	LBs.	BAGs	80# BAGS.
White Cement	1410		.0201	28.3410			15
SA Marble	1600		.0105	16.80			20
PA Marble	1600		.0105	16.80			20
Reg. Lime	850		.0236	20.06			17
Concentrate	31 1/4		.0726	2.2687			2
Zinc Sterate	50		.03420	17.10			(25# 1/50# bag or 2sx
Emethelite	50		.0160	.80			1
Air Entraining Lime	400		.0241	9.64			8
Sand	3000		.0057	17.10			30
Totals	8991			128.9097			
Material Cost Per 80# sx				1.1510			
Cost of Bag				.1216			
Labor Cost				.2216			
TOTAL DIRECT COST				1.4942			
TOTALS	8991						

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

WATER PLANT FORMULA WORK SHEET PRIMA-MARBLETITE MANUFACTURING CO.
(ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME CONCENTRATE FOR MARBLECRETE REPLACED _____

DATE _____

DATE REPLACED 4/1/72

OK'ED BY _____

CONTENTS: _____

BATCH SIZE 26 bags
Plant Batch _____

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS	36 1/2# bag
Fibre #2	(15#) 375		.0398	14.9250			
Zinc Sterate	(10#) 250		.3420	85.50			
VMP 3,000	(12#) 300		.0160	4.80			
Natrosol HXR	24#&3oz		.82	19.68			
Totals	949&3oz			124.9050			
CONCENTRATE FOR 92 BAG BATCH OF MARBLECRETE							
Fibre #2	30						
Zinc Sterate	45						
Emathlite	34 1/2						
Material Cost Per 36 1/2# sx				4.8040			
Cost of Bag				.1145			
TOTAL DIRECT COST				4.9185	OR	.1347 PER LB.	
TOTALS							

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET

PREMIX-MARBLETITE MANUFACTURING CO.
(ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLECRETE

REPLACED S/P \$2.25

DATE _____

DATE REPLACED 4/1/72

OK'ED BY _____

COMMENTS: 7/11/72 123+36#

BATCH SIZE 123+36#
Plant Batch

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS/	80# Bags
White Cement	1880		.0201	37.7880			20
Concentrate	146		.1347	19.6662			4
Finished Lime	800		.0236	18.88			16
SA Marble	960		.0105	10.08			12
Air Entraing Lime	400		.0241	9.64			8
PA Marble	640		.0105	6.72			8
Sand	5050		.0057	28.7850			50 1/2
FOR COLOR FIGURE FOR 120 BAG MAKE OYSTER WHITE ONLY THIS MIXER							
Totals	9876			131.5562			
Material Cost Per 80# sz				1.0652			
Cost of Bag				.1022			
Labor Cost				.2216			
TOTAL DIRECT COST				1.3890			
TOTALS	9876						

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

EXHIBIT

ENTER PLANT FORMULA WORK SHEET

PREMIX-MARBLETITE MANUFACTURING CO.
(ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLESPRAY

REPLACED _____

DATE _____

DATE REPLACED 4/1/72

OK'D BY _____

COMMENTS: _____

BATCH SIZE 79 + 65 3/4#
Plant Batch _____

MATERIAL	LBS.	GAL.	UNIT COST	TOTAL COST	LBS.	BAGS
White Cement	1128		.0201	22.6728		12
Finish Lime	400		.0236	9.44		8
Fibre #2	30		.0398	.1940		
Zinc Sterate	28		.3420	9.5760		
Blue Color Concentrate #758	3/4		.1979	.1484		
Titanium R-901 <i>AWD</i>	<i>1 1/2 lb</i>		.2450	.9800		
Air Entraining Lime	200		.0241	4.82		4
40/200 Marble	2000		.0094	18.80		20
Sand	2200		.0057	12.54		22
Totals	5990 3/4			80.1712		
Material Cost of 75# sx				1.0037		
Cost of Bag				.1216		
Labor Cost				.2216		
TOTAL DIRECT COST				1.3469		
TOTALS	5990 3/4					

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

EXHIBIT

PREMIER - MARBLETITE MANUFACTURING CO.
(ORLANDO PLANT)

EX. # _____

PRODUCT NAME CONCENTRATE FOR MARBLECRETE SPRAY

DATE REPLACED _____

OK'D BY _____

BATCH SIZE 50 bags 9 1/2 #
Plant. Batch.

[illegible]

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

Per EMR. This date
7/23/71

PLANT FORMULA

PRODUCT	MARBLES PRAY	DATE	July 13, 1972
MATERIAL	POUNDS	BAGS	GALLONS
White Cement	1128	12	
Finish Lime	400	8	
Fibre # 2	30		
Zinc Stearate	28		
Blue Color Conc. #758	3/4		
AWD	1 1/2		
Air Ent. Lime	200	4	
Premix 4	2000	20	
Sand	2200	22	
Total Weight	5990 3/4		
Bag at	.75		
Makes 79 bags plus 65 3/4 lbs.			
Small mixer as is - - Large (Marion)		Mixer use	twice as much.

(MIAMI PLANT)
3009 N. W. 75th AVENUE
MIAMI, FLORIDA 33122

EX. #. 24.4%

REPLACED S/P \$2.25

DATE REPLACED 4/1/72

CONTENTS:

BATCH SIZE 61.4 bags
Plant, Batch

MIXING INSTRUCTIONS:

O/H .2796

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET

PLANT - MARBLECRETE PLANT
(ORLANDO FLA)

FORM 09

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLECRETE

REPLACED S/P \$2.25

DATE _____

DATE REPLACED 4/1/72

OK'D BY _____

CONTENTS: 2' 2" 2" 2" 2"

BATCH SIZE 123+36#
Plant Batch.

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS/	80# Bags
White Cement	1880		.0201	37.7880		20	
Concentrate	146		.1347	19.6662		4	
Finished Lime	800		.0236	18.88		16	
SA Marble	960		.0105	10.08		12	
Air Entraining Lime	400		.0241	9.64		8	
PA Marble	640		.0105	6.72		8	
Sand	5050		.0057	28.7850		50 1/2	
FOR COLOR FIGURE FOR 120 BAG MAKE OYSTER WHITE ONLY THIS MIXER							
Totals	9876			131.5562			
Material Cost Per 80# sz				1.0652			
Cost of Bag				.1022			
Labor Cost				.2216			
TOTAL DIRECT COST				1.3890			
TOTALS	9876						

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET PRE

FORM
1001

100.

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLESpray

REPLACES _____

DATE _____

DATE REPLACED 4/1/72

OK'ED BY _____

CONTENTS: _____

BATCH SIZE 79 + 65 3/4#
Plan Batch

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	SS.	BAGS
White Cement	1128		.0201	22.6728		12
Finish Lime	400		.0236	9.44		3
Fibre #2	30		.0398	.1940		
Zinc Sterate	28		.3420	9.5760		
#758 Blue Color Concentrate	3/4		.1979	.1484		
Titanium R-901	4		.2450	.9800		
Air Entraining Lime	200		.0241	4.82		4
40/200 Marble	2000		.0094	18.80		20
Sand	2200		.0057	12.54		22
Totals	5990 3/4			80.1712		
Material Cost of 75# sx				1.0037		
Cost of Bag				.1216		
Labor Cost				.2216		
TOTAL DIRECT COST				1.3469		
TOTALS	5990 3/4					

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

(ORLANDO PLANT)
ENTER PLANT FORMULA WORK SHEET FROM HANTAK-EMULSIFYING CO.
 (ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME CONCENTRATE FOR MARBLECRETE

REPLACED _____

DATE _____

DATE REPLACED 4/1/72

OK'D BY _____

CONTENTS: _____

BATCH SIZE 26 bags
 Plant Batch _____

MATERIAL	lbs.	Gal.	UNIT COST	TOTAL COST	lbs.	BAGS	36 1/2# bag
Fibre #2	(15#) 375		.0398	14.9250		7	8 24#
Zinc Sterate	(10#) 250		.3420	85.50		5	
VMP 3,000	(12#) 300		.0160	4.80		6	
Natrosol HXR	24#&3oz		.82	19.68			
Totals	949&3oz			124.9050			
CONCENTRATE FOR 92 BAG BATCH OF MARBLECRETE							
Fibre #2	30						
Zinc Sterate	45						
Emathlite	34 1/2						
Material Cost Per 36 1/2# sx				4.8040			
Cost of Bag				.1145			
TOTAL DIRECT COST				4.9185	OR	.1347 PER LB.	
TOTALS							

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

PREMIER - MARSHLEITE MANUFACTURING CO.
(GRANDO PLANT)

EX. # _____

PRODUCT NAME CONCENTRATE FOR MARBICEPTE SPRAY REPLACED

DATE REPLACED

OK'D BY _____

COMMENTS: _____ BATCH SIZE 50 bags 9 1/2 #
Plant Batch: _____

[illegible]

MIXING INSTRUCTIONS:

NOTIFY LAB OF ACTUAL COST PER LB.

ENTER PLANT FORMULA WORK SHEET

PREMIX-MARBLETITE MANUFACTURING CO.
(ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLESPRAY

REPLACED _____

DATE _____

DATE REPLACED 4/1/72

OK'ED BY _____

COMMENTS: _____

BATCH SIZE 79 + 65 3/4#
Plant Batch

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS	75#
White Cement	1128		.0201	22.6728		12	
Finish Lime	400		.0236	9.44		8	
Fibre #2	30		.0398	.1940			
Zinc Sterate	28		.3420	9.5760			
#758 Blue Color Concentrate	3/4		.1979	.1484			
Titanium R-901	4		.2450	.9800			
Air Entraining Lime	200		.0241	4.82		4	
40/200 Marble	2000		.0094	18.80		20	
Sand	2200		.0057	12.54		22	
Totals	5990 3/4			80.1712			
Material Cost of 75# sx				1.0037			
Cost of Bag				.1216			
Labor Cost				.2216			
TOTAL DIRECT COST				1.3469			
TOTALS	5990 3/4						

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

(ORLANDO PLANT)
ENTER PLANT FORMULA WORK SHEET PREMIX - MARBLETITE MANUFACTURING CO.
 (ORLANDO PLANT)

LABORATORY FILE # _____

EX. # _____

PRODUCT NAME MARBLECRETE SPRAY

REPLACED S/P \$2.45

DATE _____

DATE REPLACED 4/1/72

OK'D BY _____

COMMENTS: _____

BATCH SIZE 112 & 31#
 Plant Batch _____

MATERIAL	LBS.	Gal.	UNIT COST	TOTAL COST	LBS.	BAGS	80# BAGS.
White Cement	1410		.0201	28.3410		15	
SA Marble	1600		.0105	16.80		20	
PA Marble	1600		.0105	16.80		20	
Reg. Lime	850		.0236	20.06		17	
Concentrate	31 1/4		.0726	2.2687		2	
Zinc Sterate	50		.03420	17.10		1/50# bag or 2sx.	(25#)
Emethelite	50		.0160	.80		1	
Air Entraining Lime	400		.0241	9.64		8	
Sand	3000		.0057	17.10		30	
Totals	8991			128.9097			
Material Cost Per 80# sx				1.1510			
Cost of Bag				.1216			
Labor Cost				.2216			
TOTAL DIRECT COST				1.4942			
TOTALS	8991						

MIXING INSTRUCTIONS:

O/H .3093

NOTIFY LAB OF ACTUAL COST PER LB.

PLANT FORMULA

PRODUCT **CONCENTRATE FOR MARBLECRETE**

DATE July 13, 1972

MATERIAL	POUNDS	BAGS	GALLONS
Fiber #2	375	7 & 25#	
Zinc Stearate	250	10	
V.M.P. 3,000(#Emathlite)	300	6	
Total Weight 925#			
Bag At 37#			
Makes 25 bags per batch			
CONCENTRATE FOR ONE BATCH			
Fiber #2	15		
Zinc Stearate	10		
Emathlite (VMP 3,000)	12		
Total Weight 37#			

PLANT FORMULA

PRODUCT CONCENTRATE FOR MARBLECRETE SPRAY

DATE July 13, 1972

MATERIAL	POUNDS	BAGS	GALLONS
AWD Titanox	100	2	
#9 NCS	212½	4 & 12½	
ASP 170	750	15	
Emathlite	500	10	4/2/71
Total Weight	1562.5		
Bag at 31½	4/2/71		
Makes 50 bags per batch			
CONCENTRATE PER BATCH	Makes (2/31½ sxs)		
AWD Titanox	4		
#9 NCS	8.5		
ASP 170	30		
Emathlite	20		
Total Weight	62.5		

PLANT FORMULA

PRODUCT <u>Marblecrete -- For Small Mixer</u>		DATE <u>July 13, 1972</u>	
MATERIAL	POUNDS	BAGS	BARRELS 1 Bag Batch
White Cement	940	10	15.3 lbs.
Premix - X	800	8	13.0 lbs.
Reg. Lime	400	8	6.5 lbs.
Concentrate	73	2	19 ozs.
Air Ent. Lime	200	4	3.25 lbs.
Sand	2500	25	40.7 lbs.
Total Weight	4913		80 lbs.
Bag at 80 #			
Makes 61.41 Bags			
For Color figure 60 Bag Batch			
Changed to Air Ent. Lime 7/16/71 per M. R.			

Date 9/25/73Date 9/25/73

Sack Wt. 80

PRODUCT TOPCOTE M-14

[illegible]

Date 9/25/73

PRODUCT TOPCOTE Q-14.

Sack Wt. 80

[illegible]

October 11, 1973
Supercedes all previous formulas

MIAMI PLANT FORMULA

TOPCOTE M-14

DESCRIPTION OF PRODUCT: A pre-mix of aggregate and cement for use on patios and pool decks.

<u>FORMULA</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
<u>Raw Material</u>				
Sand	Aggregate	2	32.71	
OZ Marble	Aggregate	7	32.71	
White Cement	Strengtheners	8	30.74	
Finish Lime	Strengtheners	10	2.05	
Zinc Stearate	Water Proofing	53	0.24	
Emathlite	Workability	15	1.55	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
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February 11, 1974
Supercedes November 16, 1973 formula

ORLANDO PLANT FORMULA

ACOUSTEX O-48

DESCRIPTION OF PRODUCT: A vinyl based ceiling spray with perlite as aggregate.

<u>FORMULA</u>		<u>R.M.</u>		
<u>Raw Materials</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Attagel #50	Bulking Agent/			
	Plasticizer	16	1.61	
Methocel 228	Thickener	36	0.32	
Polyvinyl Alcohol	Adhesive	28	2.58	
Asbestos SG210	Bulking Agent	13	0.98	
Fiber #2	Filler/			
	Bulking Agent	60	35.47	
#9 Marble	Filler	5	32.31	
Perlite	Aggregate	1	23.18	
P80F Mica	Slip	41	3.22	
Zinc Stearate	Water Proofing	53	0.06	
Soap	Plasticizer	58	0.03	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

VINYL SPOT TEST - Refer to plant testing procedure No. 2

MASTER BATCH FORMULATION

Date 2-11-74:-

Sack Wt. 35

PRODUCT ACOUSTEX 0-48

[illegible]

MASTER BATCH FORMULATION

PRODUCT ACOUSTEX 0-48

Date .. 2-11-74

Sack Wt. 35

[illegible]

February 11, 1974
Supersedes November 16, 1973 formula

ORLANDO PLANT FORMULA

ACOUSTEX 0-48

cancel

DESCRIPTION OF PRODUCT: A vinyl based ceiling spray with perlite as aggregate.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Attagel #50	Bulking Agent/ Plasticizer	16	1.61	
Methocel 228	Thickener	36	0.32	
Polyvinyl Alcohol	Adhesive	28	2.58	
Asbestos SG210	Bulking Agent	13	0.98	
Fiber #2	Filler/ Bulking Agent	60	35.47	
#9 Marble	Filler	5	32.31	
Perlite	Aggregate	1	23.48	
P80F Mica	Slip	41	3.22	
Zinc Stearate	Water Proofing	53	0.06	
Soap	Plasticizer	58	0.03	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

WORKING PROPERTIES - Refer to plant testing procedure No. 3

CRACK RESISTANCE - Refer to plant testing procedure No. 4

BONDING PROPERTIES - Refer to plant testing procedure No. 5

VINYL SPOT TEST - Refer to plant testing procedure No. 2

February 11, 1974
Supercedes November 16, 1973 formula

ORLANDO PLANT FORMULA

P.V.L. 0-33

DESCRIPTION OF PRODUCT: A Lime Based ceiling texture containing perlite as the aggregate.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Perlite Regular	Aggregate	1	32.19	
Finish Lime	Plasticizer/ Strengtheners	10	60.29	
Asbestos SG210	Bulking Agent	13	5.57	
Vinyl 523	Adhesive	28	1.11	
Keenes Cement	Setting Quality	42	0.84	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications:</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	108	90	100

VINYL SPOT TEST - Refer to plant testing procedure No. 2

WORKING PROPERTIES - Refer to plant testing procedure No. 5

Product shall be very white in tone, and contain a generous amount of aggregate.

PRODUCT FORMULA

FORMULA

Hantak-Premix000170

MASTER BATCH FORMULATION

Date 2-11-74

Sack Wt. 21

PRODUCT

[illegible]

February 11, 1974
Supercedes November 16, 1973 formula

ORLANDO PLANT FORMULA

MARBLECRETE 0-6

DESCRIPTION OF PRODUCT: A pre-mixed white domestic portland cement and marble silica aggregate composition which includes a water proofing, producing a durable and weather proof exterior stucco finish.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
White Cement	Strengthenener	8	19.12	
Finish Lime	Strengthenener/ Plasticizer	10	8.13	
XO Marble	Aggregate	4	16.26	
A/E Lime	Plasticizer	11	4.37	
Sand	Aggregate	2	57.30	
Asbestos SG210 (c)	Bulking Agent	13	.23	
Zinc Stearate (c)	Water Proofing	53	.10	
Emathlite (c)	Plasticizer	15	.49	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to plant testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Color - Shall match color for said sample
(See color formulas)

MASTER BATCH FORMULATION

PRODUCT Marblecrete 0-6

Date 2-11-74

Sack Wt. 80

[illegible]

February 11, 1974
Supercedes November 16, 1973
formula

ORLANDO PLANT FORMULA

PREMIX MARBLECRETE SPRAY CONCENTRATE 0-7

DESCRIPTION OF PRODUCT: Concentrate for the manufacture of
marblecrete stucco spray.

<u>FORMULA</u>		R.M.		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Zinc Stearate	Water Proofing	53	6.11	(see over)
* Emathlite	Slip	15	65.65	
* Asp 170 Clay	Filler/ Plasticizer	19	28.24	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

MASTER BATCH FORMULATION

Date 2-11-74

Sack Wüj 20

PRODUCT
Marblecrete Spray Concentrate 0-7

[illegible]

February 11, 1974
Supersedes November 16, 1973 formula

ORLANDO PLANT FORMULA
MARBLECRETE SPRAY 0-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	36.61	
* 40/200 Marble	Aggregate	6	33.07	
* White Cement	Strengtheners	8	18.65	
* Finish Lime	Strengtheners/Plast.	10	6.61	
* A/E Lime	Plasticizer	11	3.31	(see over)
* Zinc Stearate (c)	Water proofing	53	.10	
* Emathlite (c)	Slip	15	1.07	
* Asp 170 Clay (c)	Filler -			
	Plasticizer	19	.58	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

February 11, 1974
Supercedes November 16, 1973
formula

ORLANDO PLANT FORMULA

PREMIX CONCENTRATE Q-5

DESCRIPTION OF PRODUCT: A concentrate for use in manufacture
of Marblecrete Stucco.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Asbestos SG210	Bulking Agent	13	27.69	
* Zinc Stearate	Water Proofing	53	12.31	
* Emathlite	Plasticizer	15	60.00	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

February 11, 1974
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

MARBLECRETE M-6

DESCRIPTION OF PRODUCT: A pre-mixed white domestic portland cement and marble silica aggregate composition which includes a water proofing, producing a durable and weather proof exterior stucco finish.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M.</u>		<u>Spec No.</u>	<u>%</u>	<u>Lbs/ba</u>
White Cement	Strengtheners	15.30	8	.03805	19.12	.5822
Finish Lime	Strengtheners	6.50				
XO Marble	Plasticizer		10	.0218	8.13	.2067
A/E Lime	Aggregate	13.01	4	.0158	16.26	.2057
Sand	Plasticizer	3.50	11	.02696	4.3712	.0944
Asbestos SG210 (c)	Aggregate	41.04	2	.0093	51.30	.3817
Zinc Stearate (c)	Bulking Agent	.18	13	.0915	.23	.0165
Emathlite (c)	Water Proofing	.08	53	.64	.10	.0512
	Plasticizer	.37	15	.0125	.49	.0049

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to plant testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white

Color - Shall match color for said sample
(See color formulas)

February 11, 1974 /
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

PREMIX MARBLECRETE SPRAY CONCENTRATE M-7

DESCRIPTION OF PRODUCT: Concentrate for the manufacture of
marblecrete stucco spray.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Zinc Stearate	Water Proofing	53	6.11	(see over)
* Emathlite	Slip	1 15	65.65	
* Asp 170 Clay	Filler/ Plasticizer	1 19	28.24	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

Date 2-11-74

PRODUCT MARBLECRETE SPRAY CONCENTRATE M-7

Sack wt. 20

MATERIAL	PERCENT BY WEIGHT	100 SACK BATCH		120 SACK BATCH		70 SACK BATCH	
		sacks	pounds	sacks	pounds	sacks	pounds
ZINC STEARATE	6.11	4	120				
EMATHLITE	65.65	26	1,300				
ASP 170 CLAY	28.24	11 $\frac{1}{2}$	575				
			1,995				

EXHIBIT 3

Hantay-Premix0901

~~Laotian~~ ~~Premix~~ 000180

February 11, 1974
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA

PREMIX MARBLECRETE SPRAY CONCENTRATE M-7

DESCRIPTION OF PRODUCT: Concentrate for the manufacture of
marblecrete stucco spray.

<u>FORMULA</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
<u>Raw Material</u>				
Zinc Stearate	Water Proofing	53	6.11	(see over)
* Emathlite	Slip	15	65.65	
* Asp 170 Clay	Filler/ Plasticizer	19	28.24	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

PRODUCT MARBLECRETE SPRAY CONCENTRATE M-7

Date 2-11-74

Sack Wt. 20

[illegible]

EXHIBIT

~~Hamak-Premixmm182~~

PRODUCT

Sack Wt 18

Hantak-Premix000183

Sack Wt. 80

[illegible]

February 11, 1974
Supercedes November 16, 1973 formula

ORLANDO PLANT FORMULA

PREMIX CONCENTRATE 0-9 (Concentrate C)

DESCRIPTION OF PRODUCT: Concentrate for the manufacture of Marbletite Stucco.

<u>FORMULA</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
<u>Raw Material</u>				
* Asbestos SG210	Bulking Agent	13	13.75	
Zinc Stearate	Waterproofing	53	7.50	
* Emathlite	Workability	15	78.75	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

February 11, 1974
Supercedes November 16, 1973 formula ;

MIAMI PLANT FORMULA

MARBLECRETE M-6

DESCRIPTION OF PRODUCT: A pre-mixed white domestic portland cement and marble silica aggregate composition which includes a water proofing, producing a durable and weather proof exterior stucco finish.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
White Cement	Strengthenener	8	19.12	
Finish Lime	Strengthenener/			
	Plasticizer	10	8.13	
XO Marble	Aggregate	4	16.26	
A/E Lime	Plasticizer	11	4.37 1/2 88	
Sand	Aggregate	2	51.30	
Asbestos SG210 (c)	Bulking Agent	13	.23	
Zinc Stearate (c)	Water Proofing	53	.10	
Emathlite (c)	Plasticizer	15	.49	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to plant testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white

Color - Shall match color for said sample
(See color formulas)

Nov/16/73
Supercedes all previous formulas

MIAMI PLANT FORMULA

MARBLECRETE M-6

DESCRIPTION OF PRODUCT: A pre-mixed white domestic portland cement and marble silica aggregate composition which includes a water proofing, producing a durable and weather proof exterior stucco finish.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M.</u> <u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
White Cement	Strengtheners	8	19.13	11
Finish Lime	Strengtheners/			
	Plasticizer	10	8.13	
XO Marble	Aggregate	4	16.26	
A/E Lime	Plasticizer	11	4.37	2.87
Sand	Aggregate	2	51.39	51.32
Asbestos SG210 (c)	Bulking Agent	13	.23	0.22
Zinc Stearate (c)	Water Proofing	53	100.40	30
Emathlite (c)	Plasticizer	15	0.49	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to plant testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white

Color - Shall match color for said sample
(See color formulas)

PRODUCT
MARBLECRETE M-6

Date 9/25/73

Sack Wt. 30

[illegible]

October 11, 1973

Supercedes all previous formulas

MIAMI PLANT FORMULA

MARBLECRETE M-6

DESCRIPTION OF PRODUCT: A pre-mixed white domestic portland cement and marble silica aggregate composition which includes a water proofing, producing a durable and weather proof exterior stucco finish..

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec. No.</u>	<u>%</u>	<u>Lbs/batch</u>
Sand	Aggregate	2	50.88	
XO Marble	Aggregate	4	16.28	
White Cement	Strengtheners	8	19.15	
Finish Lime	Strengtheners - Slip	10	8.14	(see over)
A/E Lime	Strengtheners - Slip	11	4.07	
Asbestos 7RF9 (c)	Bulking Agent	12	0.60	
Zinc Stearate (c)	Water proofing	53	0.40	
Emathlite (c)	Workability	15	0.48	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

<u>T. C. Specifications</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
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TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white

Color - Shall match color for said sample
(See color formulas)

Date 9/25/73

Sack Wt. 80

Hantak-Premix000191

PRODUCT MARBLECRETE CONCENTRATE M-5

Date 2-11-74

Sack Wt. 21

[illegible]

February 11, 1974
Supercedes November 16, 1973 form

MIAMI PLANT FORMULA

PREMIX CONCENTRATE M-5

DESCRIPTION OF PRODUCT: A concentrate for use in manufacture
of Marblecrete Stucco.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Asbestos SG210	Bulking Agent	13	27.69	
* Zinc Stearate	Water Proofing	53	12.31	
* Emathlite	Plasticizer	15	60.00	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

February 11, 1974
Supercedes November 16, 1973 form

MIAMI PLANT FORMULA

PREMIX CONCENTRATE M-5

DESCRIPTION OF PRODUCT: A concentrate for use in manufacture
of Marblecrete Stucco.

FORMULA

<u>Raw Materials</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Asbestos SG210	Bulking Agent	13	27.69	
* Zinc Stearate	Water Proofing	53	12.31	
* Emathlite	Plasticizer	15	60.00	

WORKING CONSISTENCY - Refer to plant testing procedure No. 1

* Denotes Change

PRODUCT MARBLECRETE CONCENTRATE M-5

Date 2-11-74

Sack Wt. 21

[illegible]

Hantak-Premix000195

February 11, 1974
Supercedes November 16, 1973 formula

MIAMI PLANT FORMULA
MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>				
<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	36.61	
* 40/200 Marble	Aggregate	6	33.07	
* White Cement	Strengtheners	8	18.65	
* Finish Lime	Strengtheners	10	6.61	
* A/E Lime	Plasticizer	11	3.31	11.57 (see over)
* Zinc Stearate (c)	Water proofing	53	0.10	
* Emathlite (c)	Slip	15	1.07	
* Asp 170 Clay (c)	Filler -			
	Plasticizer	19	0.58	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	20

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

PRODUCT
MARBLECRETE SPRAY M-8

Date 2-11-74

Sack Wt. 80

[illegible]

November 16, 1973
Supercedes Oct. 11, 73 formula

MIAMI PLANT FORMULA
MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>		<u>R.M.</u>		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	36.36	
* 40/200 Marble	Aggregate	6	33.07	
* White Cement	Strengtheners	8	18.65	
* Finish Lime	Strengtheners	10	6.61	
* A/E Lime	Plasticizer	11	3.31	(see over)
* Zinc Stearate (c)	Water proofing	53	0.22	
* Emathlite (c)	Slip	15	1.07	
* Asp 170 Clay (c)	Filler - Plasticizer	19	0.58	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	22

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

November 16, 1973
Supercedes Oct. 11, 73 formula
v

MIAMI PLANT FORMULA

MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>		<u>R.M.</u>		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	34.1	38.9861
* 40/200 Marble	Aggregate	6	33.07	
* White Cement	Strengtheners	8	18.65	
* Finish Lime	Strengtheners/Plast.	10	6.61	
* A/E Lime	Plasticizer	11	3.31	(see over)
* Zinc Stearate (c)	Water proofing	53	10	0.2282
*				
* Emathlite (c)	Slip	15	1.07	
* Asp 170 Clay (c)	Filler -			
	Plasticizer	19	0.58	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	23

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

5

Date 9/25/73

Sack Wt. 80

[illegible]

November 16, 1973
Supercedes Oct. 11, 73 formula
v

MIAMI PLANT FORMULA
MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>		R.M.		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	36.41	36.41
* 40/200 Marble	Aggregate	6	33.07	33.07
* White Cement	Strengtheners	8	18.65	18.65
* Finish Lime	Strengtheners	10	6.61	6.61
* A/E Lime	Plasticizer	11	3.31	3.31
* Zinc Stearate (c)	Water proofing	53	10	0.225 (see over)
* Emathlite (c)	Slip	15	1.07	1.07
* Asp 170 Clay (c)	Filler - Plasticizer	19	0.58	0.58

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	23

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

November 16, 1973
Supersedes Oct. 11, 73 formula
v

MIAMI PLANT FORMULA
MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

<u>FORMULA</u>		R.M.		
<u>Raw Material</u>	<u>Function</u>	<u>Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
* Sand	Aggregate	2	34.61 35.9861	
* 40/200 Marble	Aggregate	6	33.07	
* White Cement	Strengtheners	8	18.65	
* Finish Lime	Strengtheners/Plast.	10	6.61	
* A/E Lime	Plasticizer	11	3.31	(see over)
* Zinc Stearate (c)	Water proofing	53	10 0.328	
* Emathlite (c)	Slip	15	1.07	
* Asp 170 Clay (c)	Filler -			
	Plasticizer	19	0.58	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
	25	20	23

TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

* Denotes Change

MASTER BATCH FORMULATION

Date 9/25/73
Sack Wt. 80

PRODUCT MARBLECRETE SPRAY M-8

[illegible]

October 11, 1973
Supercedes all previous formulas

MIAMI PLANT FORMULA

MARBLECRETE SPRAY M-8

DESCRIPTION OF PRODUCT: Mix for application with a spray gun on
a cement block or cement scratch surface.

FORMULA

<u>Raw Material</u>	<u>Function</u>	<u>R.M. Spec No.</u>	<u>%</u>	<u>Lbs/batch</u>
Sand	Aggregate	2	36.32	
40/200 Marble	Aggregate	6	33.02	
White Cement	Strengtheners	8	18.63	
Finish Lime	Strengtheners	10	6.60	
A/E Lime	Plasticizer	11	3.30	(see over)
Zinc Stearate (c)	Water proofing	53	0.46	
Titanium Dioxide (c)	Whiting	20	0.02	
Emathlite (c)	Hardener	15	1.16	
Asp 170 Clay (c)	Filler - Adhesion			
	Plasticizer	19	0.49	

WORKING CONSISTENCY - Refer to plant formula testing procedure No. 1

<u>T. C. Specification</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Average</u>
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TENSILE STRENGTH TEST - Refer to testing procedure No. 6

WORKING PROPERTIES - Refer to plant testing procedure No. 7

COLOR - White shall be snow white
Colored shall match standard
(see color formulas)

