25 Asbestos/gal

WHITE WEATHER BARRIER MASTIC (17-DHR-76)

Ingredients - Source	Pounds	Pounds/ 100 Gallons	% by Wt.
1. Acrylic UCAR Latex 153 (55.5% Total Solids), Union Carbide	2434.8	681.89	64.39
2. Pigment Paste Dispersion, Super Imperse Blue B (50% Total Solids), Hercules Imperial Pigment Colors, Glens Falls, New York	0.032	-	-
3. Calgon, Calgon Corporation, Pittsburgh, Pennsylvania	11.2	3.14	0.30
4. Asbestos, Calidria SG-210 Grade, Union Carbide	44.0	12.22	1.16
5. Mica, Mineralite 3X Mineralite Sales Corporation 231 Mineola Blvd., Box 311 Mineola, Long Island, New York	508.8	142.48	13.35
6. Titanium Dioxide (R-901), E. I. duPont de Nemours and Company, Inc. Pigments Dept., Wilmington, Delaware	35.2	9.85	0.93
7. Clay, Kingsley, United Clay Mines, Box 1201, Trenton, New Jersey 08606	169.2	47.39	4.47
8. Clorowax 40, Diamond Alkali Company, 4701 Paddock Road, Cincinnati 24, Ohio	79.2	22.19	2.09
9. Antimony Oxide, National Lead Company 111 Broadway, New York, New York 10006	6.0	1.71	0.16
10. Diatomaceous Silica, Dicalite WB-5, Great Lakes Carbon Corporation 630 Shatto Place Los Angeles, California 90005	248.4	69.57	6.58
11. Tricresyl Phosphate, Union Carbide	223.6	62.62	5.91
12. Bacteriastat, PMA-30, Troy Chemical Company 338 Wilson Avenue Newark, New Jersey 07105	8.0	2.23	0.21
13. Colloid 581B, (15% Total Solids), Colloids, Inc. 394-398 Freling Huysen Avenue Newark 14, New Jersey	9.6	2.70	0.25
	3778.0	1057.99	100.00

Total Solids, % by Wt. 71.1
Density, Lbs/Gallon 10.58

PLAINTIFF'S EXHIBIT
UC-1012

A23131

UNION CARBIDE COATINGS MATERIALS

FORMULATION SUGGESTION E-1297

WEATHER BARRIER ROOF COATING

UCAR® LATEX 153

APPLICATION INFORMATION

	Pounds	Gallons
UCAR®-153	695	77.8
KTPP	3	0.1
Colloids 581-B	3	0.3
Calidria Asbestos SG-210	12	0.6
Mica	150	6.4
Titanium dioxide, rutile	10	0.3
Clay	50	2.3
Dicalite WB-5	70	4.2
Chlorowax 70	22	1.6
Antimony oxide	2	0.1
FLEXOL® TCP	60	6.1
PMA-30	2	0.2
	1079	100.0

Paint Properties

Total Solids = 62.0% by volume
Total Solids = 70.6% by weight
PVC = 25%

A23132

This information is not to be taken as a warranty or representation for which we assume legal responsibility nor as permission or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation and verification.

Union Carbide trial exhibit UC-1012: Union Carbide Coatings Materials Formulations for Weather Barrier Mastic, Ro... Published by AsbestosClaims.Law
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(VIMASCO AC-7)

WHITE WEATHER BARRIER MASTIC (17-DHR-76)

Ingredients - Source	Pounds	Pounds/ 100 Gallons	% by Wt.
1. Acrylic UCAR Latex 153 (55.5% Total Solids), Union Carbide	2434.8	681.89	64.39
2. Pigment Paste Dispersion, Super Imperse Blue B (50% Total Solids), Hercules Imperial Pigment Colors, Glens Falls, New York	0.032	-	-
3. Calgon, Calgon Corporation, Pittsburgh, Pennsylvania	11.2	3.14	0.30
4. Asbestos, Calidria SG-210 Grade, Union Carbide	44.0	12.22	1.16
5. Mica, Mineralite 3X Mineralite Sales Corporation 231 Mineola Blvd., Box 311 Mineola, Long Island, New York	508.8	142.48	13.35
6. Titanium Dioxide (R-901), E. I. duPont de Nemours and Company, Inc. Pigments Dept., Wilmington, Delaware	35.2	9.85	0.93
7. Clay, Kingsley, United Clay Mines, Box 1201, Trenton, New Jersey 08606	169.2	47.39	4.47
8. Clorowax 40, Diamond Alkali Company, 4701 Paddock Road, Cincinnati 24, Ohio	79.2	22.19	2.09
9. Antimony Oxide, National Lead Company 111 Broadway, New York, New York 10006	6.0	1.71	0.16
10. Diatomaceous Silica, Dicalite WB-5, Great Lakes Carbon Corporation 630 Shatto Place Los Angeles, California 90005	248.4	69.57	6.58
11. Tricresyl Phosphate, Union Carbide	223.6	62.62	5.91
12. Bacteriastat, PMA-30, Troy Chemical Company 338 Wilson Avenue Newark, New Jersey 07105	8.0	A23133	0.21
13. Colloid 581B, (15% Total Solids), Colloids, Inc. 394-398 Freling Huysen Avenue Newark 14, New Jersey	9.6	2.70	0.25
	3778.0	1057.99	100.00

Total Solids, % by Wt. 71.1
Density, Lbs/Gallon 10.58

WEATHER BARRIER ROOF COATING

17-DHR-76

	Pounds	Gallons
UCAR® 153 (55% N.V.)	686	76.8
"Calgon"	3	0.2
"Colloids" 581-B	3	0.3
"Calidria" Asbestos SG-210	12	0.6
Mica, 3X	140	6.0
"Ti-Pure" R-901	10	0.3
"Kingsley" Clay	50	2.3
"Chlorowax" 70	22	1.6
Antimony Oxide	2	0.1
"FLEXOL®" TCP	63	6.4
PMA-30	2	0.2
"Dicalite" WB-5 Diatomaceous Silica	70	4.2
	1063	99.0

Total Solids, % by volume = 62.0%
Total Solids, % by weight = 70.6%
PVC = 25 %

Stickle 57415

A23134

Union Carbide File Room

IV Bell Formula

Weather Coatings

Before 1973

A23113

WEATHER BARRIER MASTIC (12-DHR-50)

Ingredients - Source	Pounds	Pounds/ 100 Gallons	% by Wt.
1. Experimental Acrylic UCAR Latex (55.5% S), Union Carbide	2434.8	681.89	[illegible]
2. Pigment Paste Dispersion, Super Imperse Blue B (50% S), Hercules Imperial Pigment Colors, Glens Falls, New York	3.6	1.01	[illegible]
3. Calgon, Calgon Corporation Pittsburgh, Pennsylvania	11.2	3.14	[illegible]
4. Asbestos, Calidria SC-210 Grade, Union Carbide	44.0	12.32	[illegible]
5. Mica, Mineralite 3X Mineralite Sales Corporation 231 Mineola Blvd., Box 311 Mineola, Long Island, New York	508.8	142.48	[illegible]
6. Titanium Dioxide (R-901), E. I. duPont de Nemours and Company, Inc. Pigments Dept. Wilmington, Delaware	35.2	9.85	0.93
7. Clay, Kingsley, United Clay Mines, Box 1201, Trenton, New Jersey 08606	169.2	47.39	[illegible]
8. Colloid 643, Diamond Alkali Company, 300 Paddock Bldg., Cincinnati 26, Ohio	79.2	22.19	2.09
Antimony Oxide, National Lead Company 111 Broadway, New York, New York 10006	6.0	1.71	[illegible]
10. Diatomaceous Silica, Dicalite SA-3, Great Lakes Carbon Corporation 606 Shatto Place Los Angeles, California 90005	249.4	69.57	[illegible]
11. Phenethyl Phosphate, Union Carbide	223.6	62.62	[illegible]
12. Preservative, PMA-50 Troy Chemical Corp. 333 Wilson Avenue Newark, New Jersey 07105	8.0	2.23	0.21
13. Colloid 681, (15% S) Colloids, Inc. 1-73 Preling Huyssen Avenue Newark 14, New Jersey	9.6	2.70	0.25
	3781.6	1059.00	100.00
Total Solids, % by Wt.	71.1		
Density, Lbs/Gallon	10.79		
Estimated RMC, $/Gallon	1.65		

A23114

SUGGESTED PIPE MASTIC (17-DHR-88)

Ingredients and Order of Addition	Pounds	Gallons	% by Weight
1. UCAR Latex 153 (55.5% ₹), Union Carbide	703.63	79.06	60.67
2. Calgon, Calgon Corporation, Pittsburgh, Pennsylvania	3.26	0.51	0.28
3. Asbestos, Calidria SG-210, Union Carbide	47.38	2.28	4.09
4. Chlorowax 40, Diamond Alkali Company, 4701 Paddock Road, Cincinnati 24, Ohio	22.93	2.34	1.97
5. Antimony Oxide, National Lead Company, 111 Broadway, New York, New York 10006	1.88	0.04	0.15
6. Sparmite (Barium Sulfate), Pfizer	311.18	8.50	26.83
7. Flexol Plasticizer TCP, Union Carbide	64.61	6.64	5.57
8. Bacteriastat PMA-30, Troy Chemical Company, 338 Wilson Avenue, Newark, New Jersey 07105	2.24	0.22	0.20
9. Colloid 581-B (15% ₹), Colloids, Inc. 394-398 Freling Huysen Avenue, Newark 14, New Jersey	2.76	0.41	0.24
	1,159.87	100.00	100.00

% Total Solids - - - 72.80
Density, Lbs/gallon - - - 11.60

A23115

Union Carbide trial exhibit UC-1012: Union Carbide Coatings Materials Formulations for Weather Barrier Mastic, Ro...
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SUGGESTED UCAR LATEX 153

Interior Texturing or Exterior Spackling Formulation (17-DHR-41)

Ingredients and Order of Addition (a)	Pounds	Gallons	% by Weight
1. UCAR Latex 153 (55.5% T), Union Carbide	759.35	85.32	76.12
2. Water	59.56	7.15	5.97
3. Vermiculite (~~Vorxite No. 5~~ Garden Variety), Zonolite Division, W. R. Grace Company	49.55	2.18	4.98
4. TiPure R-901, du Pont	29.42	0.88	2.98
5. Whiting No. 1, Thompson-Weinman Company	74.58	3.30	7.46
6. Calidria Asbestos SG-210, Union Carbide add last few minutes of the mixing cycle	24.92	1.17	2.49
	997.38	100.00	100.00

Total Volatiles, % by wt.	39.8
Density, lbs/gallon	9.97
Film Cure (14 days at 72°F-50% R.H.), Tensile, p.s.i.	44.0
Film Cure (14 days at 72°F-50% R.H.), % Elongation	508.
Film Cure (14 days at 72°F-50% R.H.), Shore A Hardness	40
180° Peel Adhesion, Tensile p.i.	
Pinewood	17 cohesive film failure
Stainless Steel	24 cohesive film failure
Aluminum	29 cohesive film failure
Glass	24 cohesive film failure
Glazed Ceramic Tile	25 cohesive film failure

A-23116

Note: (a) Vermiculite will continue to absorb water very slowly after mixing. The formulation may, therefore, have a slight viscosity increase on standing. If this happens, additional water will not harm the properties.

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WEATHER BARRIER ROOF COATING

17-DHR-76

	Pounds	Gallons
UCAR® 153 (55% N. V.)	686	76. 8
"Calgon"	3	0. 2
"Colloids" 581-B	3	0. 3
"Calidria" Asbestos SG-210	12	0. 6
Mica, 3X	140	6. 0
"Ti-Pure" R-901	10	0. 3
"Kingsley" Clay	50	2. 3
"Chlorowax" 70	22	1. 6
Antimony Oxide	2	0. 1
FLEXOL® TCP	63	6. 4
PMA-30	2	0. 2
"Dicalite" WB-5	70	4. 2
	1063	99. 0

Total Solids, % by volume = 62. 0%

Total Solids, % by weight = 70. 6%

PVC = 25%

A23117