RECEIVED
NOV 26 1979
H. MAYFIELD

UNION CARBIDE CHEMICALS AND PLASTICS
TUCKER WATER-BORNE COATINGS MATERIALS PLANT
2043 Steel Drive, Tucker, GA 30084
(404) 939-9327

PLAINTIFF'S EXHIBIT
UC-868

November 16, 1979

H. Mayfield
Union Carbide Corp.
Technical Center
So. Charleston, W. Va.

Dear Howard:

I have enclosed for your files copies of Roof Coating, Texture Paint and Patching Compound formulations which ~~we have~~ in our Tucker files as per the action note from the last RTM Meeting. I have also forwarded a set of the formulations to Gary Olhoft for his review and inclusion in the roof coating series.

If you need any further information please do not hesitate to contact me.

Regards,

Howard F. Eckard

cc: G. V. Olhoft
D. H. Reed

Enclosure

A23110

UNION CARBIDE

QUALITY EMULSION POLYMERS

UNION CARBIDE

FORMULATION SUGGESTION E-1297
WEATHER BARRIER ROOF COATING
UCAR® LATEX 153

	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%

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Union Carbide trial exhibit UC-868: Howard F. Eckard to H. Mayfield Enclosing Roof Coating, Texture Paint and Pat... Published by AsbestosClaims.Law
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UNION CARBIDE COATINGS MATERIALS

SUGGESTED WEATHER-BARRIER
ROOF COATING AND LAGGING COMPOUND

E-1297
(Formerly 17DHR76)

APPLICATION INFORMATION

	LBS.	GALLONS
Charge into Slow Speed/High Torque Sigma Blade Mixer or Ribbon Blender		
UCAR Latex 153 (55% N.V.)	686.0	76.8
"Calgon" Water Conditioner	3.0	0.2
Colloid 581-B or 677	3.0	0.3
"Calidria" HPO or SG-210 Fibers	12.0	0.6
Mineralite 3X (dry grd. Mica)	140.0	6.0
"Ti Pure" R 901	10.0	0.3
"Kingsley" Clay	50.0	2.3
"Chlorowax" 40	22.0	1.6
Antimony Oxide	2.0	0.1
Tricresyl Phosphate (TCP)	63.0	6.4
PMA-30 Mildewicide	2.0	0.2
"Dicalite WB-5"	70.0	4.2
	1063.0	99.0

Physical Characteristics

Consistency	Mastic (palming & trowel grade)
PVC	25%
Total Solids by wt.	70.6%
Total Solids by vol.	62.0%
Typical Tensile Strength	150-200 psi
Typical % Elongation	300-500%
Shore "A" Hardness (1 wk air-dry)	24
Low Temp. Flexibility (-15°C)	passes 1/2" rod
180° Peel Adhesion (wood & alum.)	> 15 lbs./inch
Color	off-white

Notes:

1. Increase TiO_2 to 75 lbs./100 gallons for better whiteness and color retention.
2. For airless-spray and brush grade reduce with clean water to approximately 65% solids by weight.

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Formulation Suggestion 2-HFE-154

Interior/Exterior Textured Paint

Charge into mixer with agitation:

Ingredient	Lbs.	Gal.
UCAR Latex 163	562.1	62.5
Triton X-305	3.0	0.3
PMA-30	4.5	0.4
R-901	25.0	0.7
Whiting #1	350.0	15.5
Asbestos Shorts	150.0	7.0
Water	113.3	13.6
	1207.9	100.0

Ammonium Hydroxide as required

to obtain desired viscosity.

PVC = 38.2%

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