PLAINTIFF'S EXHIBIT
UC-993

INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS • P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

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Mr. P. C. Payne, Jennat-Alsip

Date October 18, 1972

Originating Dept. Research and Development

Subject Latex Stains for Weather-Ometer Exposure

Dear Mo:

I am sending you under separate cover six "Misty Green" solid color stains and six "Redwood" semi-transparent stains. The formulations used to prepare these stains are attached. The latex used to prepare each stain is as follows:

Misty Green Solid Color Stains	
41GWB18A	Rhoplex AC-388
41GWB18B	UCAR 360
41GWB18C	UCAR 366
41GWB18D	UCAR 368
41GWB18E	Resyn 2345
41GWB18F	Flexbond 860

Redwood Semi-Transparent Stains	
41GWB20A	UCAR 368
41GWB20B	UCAR 360
41GWB20C	UCAR 366
41GWB20D	Resyn 2345
41GWB20E	Flexbond 860
41GWB20F	Rhoplex AC-388

The solid color stains are to be applied to the rough-sawn plywood sent to you by Russ James. Crack resistance can best be demonstrated in the Weather-Ometer using this combination of solid color stain and substrate. Only a few hundred hours exposure will be required to induce cracking.

The semi-transparent stains are to be exposed over cedar panels in the Weather-Ometer. This series will demonstrate tint retention and resistance to cedar staining. Little or no cracking has been observed with cedar panels.

Keep in mind that enough panels will have to exposed to supply sales kits to four Jennat locations. Hopefully, you will be able to demonstrate the superior crack resistance of UCAR 368 over acrylics and competitive vinyl acrylics.

Good luck.

Very truly yours,

George W. Buttrick

Attachments

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GWB:pw

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Misty Green

16-51-F

Ingredients	Pounds	Gallons
Water	250.0	30.01
CELLOSIZE QP-52,000	3.0	.26
Tamol 850	4.5	.52
TERGITOL NPX	3.0	.34
KTPP	1.0	.05
Bālab 746	1.0	.14
Ethylene Glycol	10.0	1.08
PMA-30	2.0	.20
TiO_2 (1)	50.0	1.46
Minex-4	45.0	2.07
ZnO (2)	45.0	.97
Celite 281	25.0	1.30
Black Iron Oxide (3)	1.0	.02
Yellow Oxide (4)	6.0	.18
Chromium Oxide Green (5)	29.0	.94
Butyl CARBITOL	15.0	1.89
Water	146.0	17.53
Latex (55% Solids)	351.0	38.78
Bālab 746	2.0	.27
	989.5	98.01

(1) RA-NC, OR 640-A, or R-966
(2) XX-503 or AZO-33
(3) Williams BK 5099
(4) Davis 5191-J
(5) Davis 302-C

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Physical Properties

Total Solids - 39.35
PVC - 25.79
Viscosity - 64 KU

*Follow fungicide supplier recommendations where non-mercurial is required.

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REDWOOD SEMI-TRANSPARENT STAIN TINT BASE 39-128

Pigment Grind	Pounds	Gallons
Water	300.0	36.3
CELLOSIZE HEC QP-52,000	4.0	0.3
Aminomethyl Propanol (AMP)	3.0	0.4
Nopco NXZ	2.0	0.3
TERGITOL NPX	3.0	0.3
Nopcocide N-96	10.0	--
Ethylene Glycol	20.0	2.2
Butyl CARBITOL	10.0	1.3
Gold Bond R	40.0	1.8
Zeothix 95	30.0	1.8
Let Down		
TERGITOL NP-44 (70%)	2.0	0.2
Aroplaz 1271	26.7	3.2
6% Cobalt Premix	0.8	--
6% Zirconium	0.8	--
UCAR Latex 368	320.0	35.5
Water	202.7	24.4
	975.0	108.0

Stain Properties

PVC = 15%
Total Solids = 28%
Alkyd Modification = 15% by volume
Stormer = 60 to 65 K.U.
pH = 8.0

Colorants

Brown Iron Oxide GP8872I = 151 lbs.
Red Iron Oxide GP8845F = 151 lbs.

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