LABORATORY TESTING REPORT

PHYSICAL PROPERTIES:

Gloss 60°/20° 98/86 Pencil Hardness F

Mar Resistance Excellent/Very Good

Direct Impact - Pass 160 Ft. Lbs. Reverse Impact - Pass 40 Ft. Lbs. Flexibility - 1/8" Mandrel Bend Pass Abrasion Resistance 32 Grams

(Milligrams weight loss per 1000

cycles using C-17 wheels.)

Scrub Resistance Outstanding Stain Removal Excellent Excellent Yellowing Resistance .11

Permeability

FLAMMABILITY OF DRIED FILM (0 – 25 Range):

0 - 5 Flame Spread 0 Fuel Contribution Smoke Developed 0

Test Results: Will not add combustibility to non-combustible substrate.

FILM PROPERTIES:

10 Gloss Retention (Florida South 45° Exposure) Salt Spray 1000 Hours 10 Humidity 1000 Hours 10

0 – Worst (Complete Failure)

10 – Best (No Effect)

CHEMICAL RESISTANCE

1% Tide	Chemicals (24 Hour Exposure)	Polythane	Two Component Epoxy
25% Sulfuric Acid 10	1% Tide	10	10
50% Sulfuric Acid 10 2 5% Acetic Acid 10 7 50% Acetic Acid 10 0 Formic Acid 10 0 10% Hydrochloric Acid 10 6 10% Phosphoric Acid 10 6 50% Phosphoric Acid 10 2 5% Sodium Hydroxide 9 10 10% Ammonia 10 10 Solvents (24 Hour Exposure) Gasoline 9 10 Xylene 8 10 Ethyl Alcohol (50%) 10 0 Water 10 0 Stain Resistance (24 Hour Exposure) Mustard 10 6 Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	10% Sulfuric Acid	10	7
5% Acetic Acid 10 7 50% Acetic Acid 10 0 Formic Acid 10 0 10% Hydrochloric Acid 10 6 10% Phosphoric Acid 10 6 50% Phosphoric Acid 10 2 5% Sodium Hydroxide 9 10 10% Ammonia 10 10 Solvents (24 Hour Exposure) Gasoline 9 10 Xylene 8 10 Ethyl Alcohol (50%) 10 0 Water 10 10 Stain Resistance (24 Hour Exposure) Mustard 10 6 Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	25% Sulfuric Acid	10	0
50% Acetic Acid 10 0 Formic Acid 10 0 10% Hydrochloric Acid 10 6 10% Phosphoric Acid 10 6 50% Phosphoric Acid 10 2 5% Sodium Hydroxide 9 10 10% Ammonia 10 10 Solvents (24 Hour Exposure) Gasoline 9 10 Xylene 8 10 Ethyl Alcohol (50%) 10 0 Water 10 10 Stain Resistance (24 Hour Exposure) Mustard 10 6 Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	50% Sulfuric Acid	10	
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5% Sodium Hydroxide 9 10 10% Ammonia 10 10 Solvents (24 Hour Exposure) Gasoline 9 10 Xylene 8 10 Ethyl Alcohol (50%) 10 0 Water 10 10 Stain Resistance (24 Hour Exposure) Mustard 10 6 Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 6 Merthiolate 10 0 Lipstick 10 8	10% Phosphoric Acid	10	6
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Mustard 10 6 Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Water	10	10
Lemon Juice 10 9 Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Stain Resistance (24 Hour Exposure)		
Tomato Paste 10 9 Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Mustard	10	6
Grape Juice 10 9 Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Lemon Juice	10	9
Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Tomato Paste	10	9
Coffee 10 6 Iodine 10 0 Merthiolate 10 0 Lipstick 10 8	Grape Juice	10	9
Merthiolate 10 0 Lipstick 10 8		10	6
Lipstick 10 8	Iodine	10	0
	Merthiolate	10	0
	Lipstick	10	8
	Washable Ink	10	0

Mildew Resistance

Federal Test Method Standard 141 Method 6271 - Incubation time 7 days. Does not support growth.

^{0 –} Worst (Complete Failure) 10 – Best (No Effect)