

Solvent-free finishes that provide durability, add high performance and help keep our world "Green".

CARDINAL

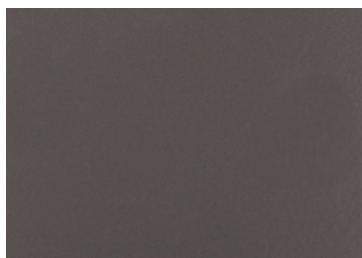
PAINT COATINGS

NOTE: These color samples are as close as possible to actual colors offered within the limitations of printing techniques. Final color specification shall be as per approved color samples.

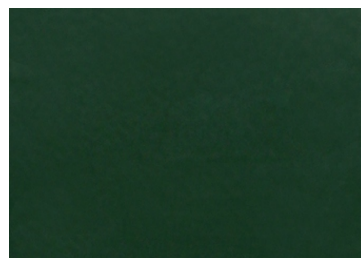
WITH OUR COLOR MATCH CAPABILITIES, CUSTOM COLORS ARE LIMITLESS. CALL TODAY FOR INFORMATION ON HOW WE CAN MATCH YOUR COLOR PROJECT



BONE WHITE DHS2-80001-C50



CHARCOAL DAS2-80002-C50



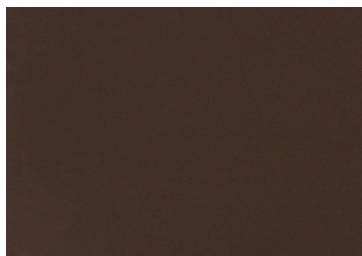
HARTFORD GREEN DGS3-20015



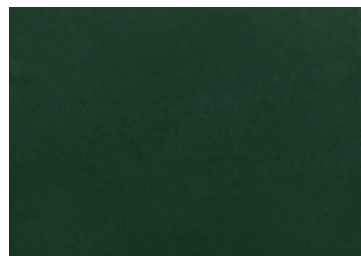
CARDINAL RED DRS460009



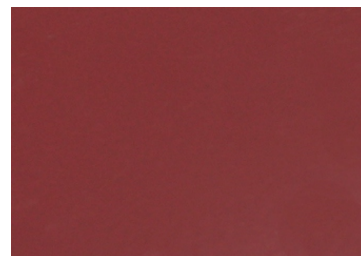
ALMOND DHS-280002



MEDIUM BRONZE DDS3-60006



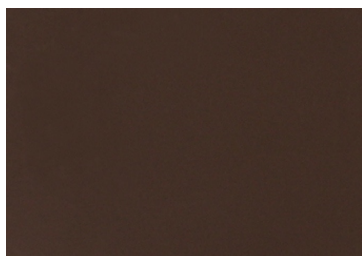
FOREST GREEN DGS3-20021



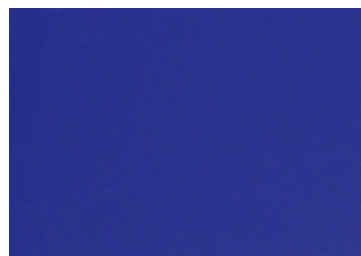
VERMILLION RED DRS3-60016



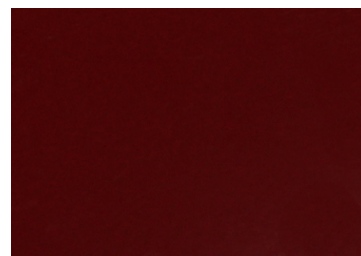
SANDSTONE DHS2-80004



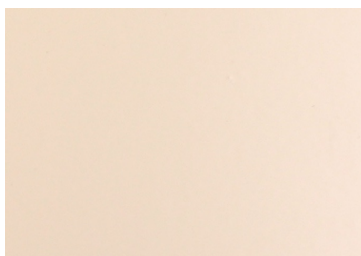
ARCHITECTURAL BRONZE DDS2-8002



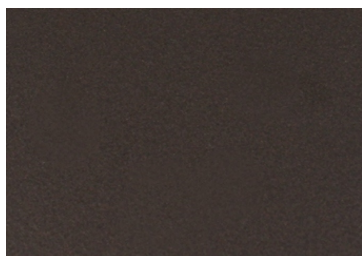
ROYAL BLUE DLS3-60010



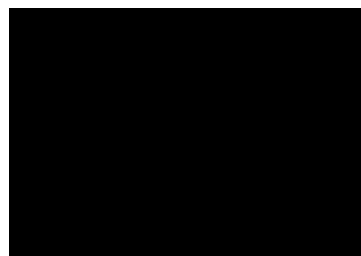
REDWOOD 038/30041



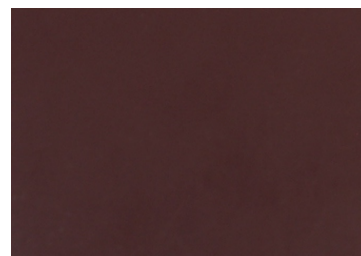
CLAY DHS2-8003



DARK ANODIZED BRONZE 038/60090



JET BLACK 038/80020



BOYSENBERRY 038/30033

Architectural Aluminum Coating Program

EXTERIOR POWDER COATINGS

American Architectural Manufacturers Association Standards
AAMA 2604 & AAMA2605

PROPERTIES	DETAIL	AAMA2604	AAMA2605
Metal Preparation and Pretreatment		Chrome (30 mg/ft ² min) or Non-Chrome	Chrome (40 mg/ft ² min) or Non-Chrome
Appearance			
Film Thickness	ASTM D 1400	1.2 mil minimum	1.2 mil minimum
Specular Gloss (60°)	ASTM D 523	± 5 units	± 5 units
Functional			
Pencil Hardness	ASTM D 3363	F minimum	F minimum
Direct Impact (3mm)	ASTM D 2794	No loss	No loss
Falling Sand	ASTM D 968	20 L/mil	40 L/mil
Adhesion			
Dry Adhesion	ASTM D 3359	No loss	No loss
Water Immersion (24 hr)	ASTM D 3359	No loss or blistering	No loss or blistering
Boiling Water (20 minutes at 210°F)	ASTM D 3359	No loss or blistering	No loss or blistering
Chemical Resistance			
Muriatic Acid 10% (15 min)	ASTM D 2360	No effect	No effect
Mortar Resistance (24 hr)	ASTM C 207	No effect	No effect
Nitric Acid Vapor 70%	ASTM D 2244	< /= 5 delta E	< /= 5 delta E
Detergent 3% (72 hr)	ASTM D 3359	No loss or blistering	No loss or blistering
Window Cleaner (24 hr)	ASTM D 3359	No film removal	No film removal
Corrosion Resistance			
Humidity Resistance	ASTM D 2247	3000 hrs	4000 hrs
		Few #8 Blisters	Few #8 Blisters
Salt Spray Resistance	ASTM B 117	3000 hrs	4000 hrs
	Scribe 7 min	1/16"	1/16"
	Blister 8 min	1/32"	1/32"
Weathering			
Florida Exposure	ASTM D 822	5 Year	10 Year
Color Retention	ASTM D 2244	ΔE < /= 5	ΔE < /= 5
Chalk Resistance	ASTM D 4214	#8 rating	#8 rating
Gloss Retention	ASTM D 523	> /= 30% retention	> /= 50% retention
Errosion Resistance	ASTM B 244	< 10% film loss	< 10% film loss

CARDINAL

Commercial Glazing Systems

hmicardinal.com

800-826-2577

info@hmicardinal.com

WITH OUR COLOR MATCH CAPABILITIES, CUSTOM COLORS ARE LIMITLESS. CALL TODAY FOR INFORMATION ON HOW WE CAN MATCH YOUR COLOR PROJECT