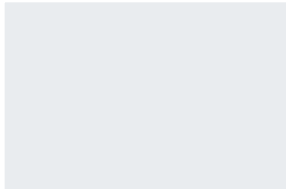


# SMP "COOL" PAINT SYSTEM

CBC Steel Buildings Silicone Modified Polyester (SMP) two-coat paint system is a budget friendly system that maintains excellent color retention and performance. Our SMP colors are a great way to help reduce cooling costs and is ideal for many applications.



**POLAR WHITE**



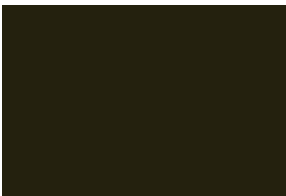
**SANDSTONE**



**SAGEBRUSH TAN**



**FOX GRAY**



**BURNISHED SLATE**



**BRICK RED**



**HUNTER GREEN**

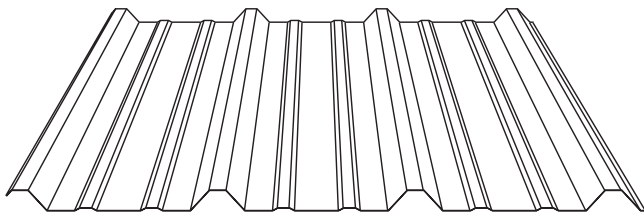


**AZTEC BLUE**

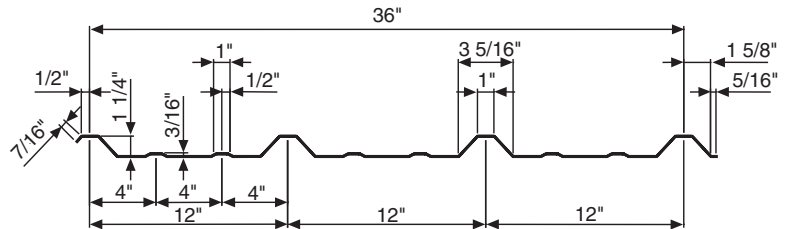
All standard SMP colors shown on this chart feature a 25 year finish warranty.\*

\*Warranties apply only to the finish coat of exterior mounted panels. (Colors shown are closely approximate to actual coating colors)

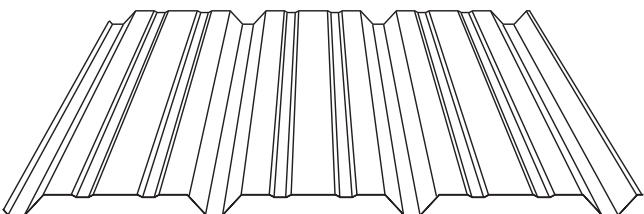
## COMPONENTS



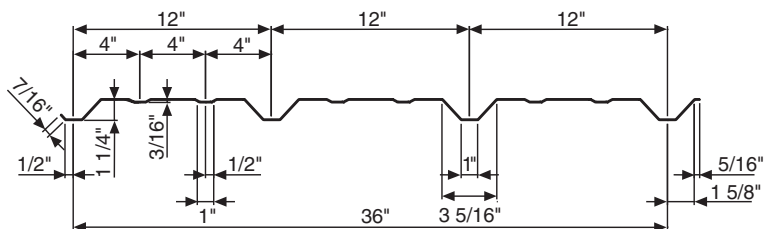
**R-Panel Profile**



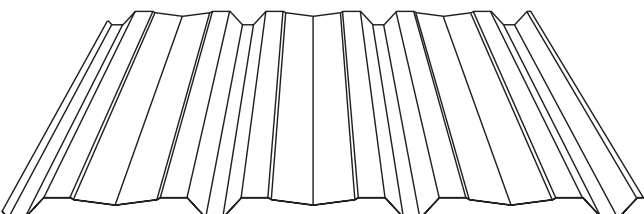
**R-Panel Cross Section**



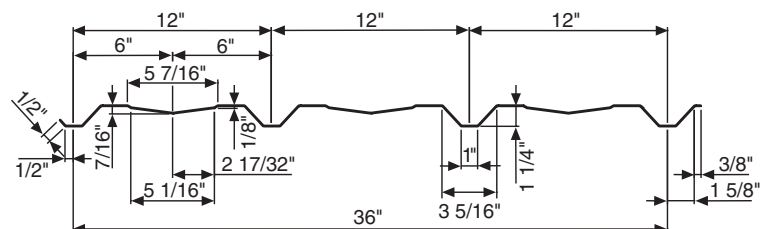
**Reverse R-Panel Profile**



**Reverse R-Panel Cross Section**



**A-Panel Profile**



**A-Panel Cross Section**

TEST	ASTM†	PERFORMANCE
<b>PHYSICAL PROPERTIES AND DURABILITY</b>		
Dry Film Thickness	D-1400, D-1500, D-4138 (NCCA 11,13,14,15)	.015 - 0.30 mil primer 0.70 - 0.90 mil topcoat
60° Specular Gloss	D-523	10° - 80°+
Pencil Hardness Berol Turquoise Pencil	D-3363 (NCCA 11-12)	F min.
Flexibility, T-Bend	D-4145	2T, No tape off
Flexibility, Mandrel	D-1737, 180° bend around 1/8" mandrel	No cracking or loss of adhesion
Adhesion, Crosshatch	D-3359	1.5 times metal thickness, no loss of adhesion
Adhesion, Reverse Impact	D-2794	2x gauge or 80"lbs.
Abrasion, Falling Sand	D-968, # Liters to exposure	25-40 l/mil
Fire Rating	E-84	Fuel contributed "0", passes
Mortar Resistance	C-267	No effect
Detergent Resistance, 3% Detergent, 100°(72 hrs.)	D-2248	No effect

## ATMOSPHERIC AND POLLUTANT RESISTANCE

Acid Pollutants	D-1308	
	10% Muriatic Acid, (15 min.)	No effect
	20% Sulphuric Acid, (24hrs.)	No effect
79% Nitric Acid Vapors, (30 min.)	AAMA 621 / AAMA 2605	<5 units color change
Acid Rain Test	Kesternich	10 cycles
	SO <sub>2</sub> , Cyclic Test	No objectionable color change
Alkali Resistance, 10%, 20% Sodium Hydroxide, (1hr.)	D-1308	No effect
Salt Spray Resistance 5% Salt Fog at 95°F	B-117	Passes 1,000 hrs.
	D714	No blisters
	D-1654	#8 Scribe creep
Humidity Resistance 100% at 95°F	D-2247	Passes 1,000 hrs. No blisters, crack or peel
Condensing Humidity Cabinet - CCH Testing 240 hrs. at 140°	D-4585 (NCCA 111-6)	Passes 1,000 hrs.

## WEATHERING

Weatherometer	D-6695	Passes 3,000 hrs.
South Florida Exposure	D-2244	Less than 5 units color change
Chalk Resistance	D-4214	#8 chalk rating, passes
UV Exposure	D-4587	Passes 1,000 hrs.

† All tests performed to the latest ASTM revision



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