

<b>CPBS 4-1/2" Composite Structural Insulated Panel</b>			
Overall Thickness	4-1/2"		
Width	47-7/8"		
Standard Length	8'-1", 9'-1", 10'-1"		
Weight	4.62 lbs per sq. ft.		
R - Value	R-26		ASTM C-518
<b>Outside Skin Properties</b>			
Type: Iso-Polyester Thermoset Composite			
Thickness	3/16"		
Reinforcing	Biaxal Fiberglass Mat		
Flame Spread	40		ASTM E-84
Water Resistive Barrier	Grade A		ASTM E-96-05
Vapor Retarder	0.94 perms		ASTM E-96-05
UV Exposure	Pass		ICC-ES AC-38
Accelerated Aging	Pass		ICC-ES AC-38
Water Resistance	Pass		AATCC-127
Coefficient of Expansion for Core and Facings	Pass		ASTM C-393
<b>Insulating Foam Properties</b>			
Type: Closed Cell Rigid Polyurethane			
Thickness	4-1/8"		
Core Density	2.3 PCF		
Compressive Strength	35 psi		
Tensile Strength	58 psi		
Shear Strength	28 psi		
Closed Cell Content	> 90%		
Fire Rating	Class A		ASTM E-84
Flame Spread	< 25		ASTM E-84
Smoke Developed	< 450		ASTM E-84
<b>Wall Panel System Testing</b>			
<b>Joint System</b>			
Freeze / Thaw 10 Cycles	Pass		ICC-ES AC-382
Water Resistance – 14 Day Exposure	Pass		ASTM D-2247
Ultraviolet Light Exposure – 210 Hours	Pass		ICC-ES AC-382
Accelerated Aging – 25 Cycles	Pass		ICC-ES AC-382
Hydrostatic Pressure – 5Hr Hold at 55 cm	Pass		AATCC 127
Peel Adhesion – 3M 8067 Flashing	4.76 lbs/in		ASTM D3330-04
<b>Assembly Tests</b>			
Water Penetration – 2.86 psf for 15 minutes	Pass		ASTM E-331
Water Penetration – 6.24 psf for 2 Hours	Pass		ASTM E-331
Rack/Shear	790 PLF		ASTM E-72
Axial	2750 PLF		ASTM E-72
Transverse	L/120	113 PSF	ASTM E-72
	L/180	77 PSF	ASTM E-72