

TECH NOTES

DensGlass Gold® Exterior Guard

Technical Note 002

Commercial Cavity Wall Assembly

Cold Climate

Exterior Elevations other than EIFS

Interior Gypsum Panel Manufacturer

G-P Gypsum Corporation

Interior Gypsum Panel Names

DensArmor™ Interior Guard

DensArmor™ Plus Interior Guard

Metal Studs

4" or 6" deep galvanized steel

Exterior Gypsum Sheathing Manufacturer

G-P Gypsum Corporation

Exterior Gypsum Sheathing Names

DensGlass Gold® Exterior Guard

Air Barrier Membrane Manufacturer

Henry Company

Air Barrier Membrane Names

Blueskin® SA Self-Adhered Air Barrier Membrane

Air Bloc 32 Elastomeric Liquid Air Barrier Membrane

Wall Insulation Manufacturer

Dow Chemical Company

Wall Insulation Name

Styrofoam™ Cavitymate™ SC

Thermax™ Sheathing

Product Descriptions:

Blueskin® SA Self-Adhered Air Barrier Membrane is a 40 mil composite SBS membrane consisting of a high strength blue HDPE film and a polymer modified compound core. A release film on the underside of the membrane is removed prior to application. This membrane is an air barrier¹, a vapor barrier² and a highly effective rain barrier³. A primer is first applied to the DensGlass Gold followed by the application of the membrane. Primers are available in both solvent and water based formulations.

Air Bloc 32 is a one component, seamless elastomeric rubber membrane with low volatile organic content and low odor. It can be applied by spray or trowel. This membrane is an air barrier⁴, a vapor barrier⁵ and a highly effective rain barrier⁶. No priming is required. Air Bloc 32 is used in conjunction with Blueskin SA which is used as a transition sheet at the interface of dissimilar materials.

Blueskin® TWF is a 40 mil composite SBS membrane featuring a special yellow, high strength HDPE film and special polymer modified compound formulated specifically for thru wall flashing applications.

Product	½"	5/8"	1"	1.55"	1¾"	2"	2½"	Type X	Smoke Developed	Flame Spread
Gypsum Wallboard										
DensGlass Gold® Exterior Guard	×	×						×	0	0
DensArmor™ Interior Guard	×	×						×		
DensArmor™ Plus Interior Guard	×	×						×	0	0
Insulation										
Styrofoam™ Cavitymate™ SC			×	×		×				
R-Value			5	7.5		10				
Thermax™ Sheathing	×		×	×		×				
R-Value	3.3		6.5	10.0		13.0				

Follow membrane manufacturer's installation guidelines and specifications for proper design and use.

G-P Gypsum does not provide engineering services. Proper design and performance criteria provided by other parties.

¹ Air leakage is 0.0001 CFM/ft² @ 75 Pa to ASTM E 283.

² Vapor transmission is 0.05 perms (2.8 ng/Pa.s.m²) to ASTM E 96.

³ Hydrostatic pressure resistance complies with CAN/CGSB-37.58.

⁴ Air leakage is 0.0001 CFM/ft² @ 75 Pa to ASTM E 283.

⁵ Vapor transmission is 0.08 perms (5.0 ng/Pa.s.m²) to ASTM E 96.

⁶ Hydrostatic pressure resistance complies with CAN/CGSB-37.58.

