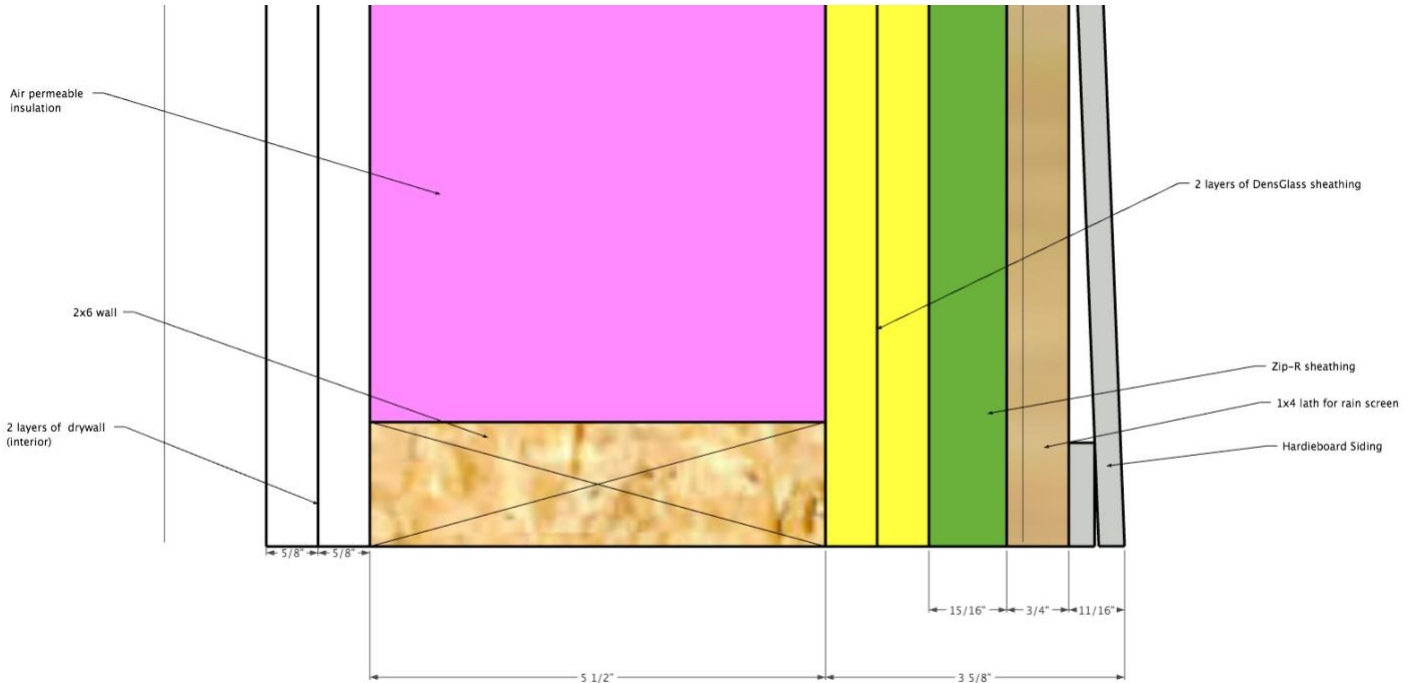


Physical Properties

Product Comparison	1/2" (12.7 mm) Regular Gypsum Sheathing (Paper-faced)	1/2" (12.7 mm) DensGlass® Sheathing	5/8" (15.9 mm) Gypsum Sheathing, Type X (Paper-faced)	5/8" (15.9 mm) DensGlass® Fireguard®
Width, nominal ⁶	4' (1219 mm) ± 3/32" (2.4 mm)	4' (1219 mm) ± 3/32" (2.4 mm)	4' (1219 mm) ± 3/32" (2.4 mm)	4' (1219 mm) ± 3/32" (2.4 mm)
Length, standard ⁶	8', 9', 10' (2438, 2743, 3048 mm) ± 1/4" (6 mm)	8', 9', 10' (2438, 2743, 3048 mm) ± 1/4" (6 mm)	8', 9', 10' (2438, 2743, 3048 mm) ± 1/4" (6 mm)	8', 9', 10' (2438, 2743, 3048 mm) ± 1/4" (6 mm)
Weight ¹⁰ nominal, lbs./sq. ft. (Kg/m ²)	1.7 (9)	1.9 (9)	2.2 (11)	2.5 (12)
Bending radius (lengthwise)	n/a	6' (1829 mm) ⁷	n/a	8' (2438 mm) ⁷
Racking strength, ⁸ lbs./ft. (dry) (N/m) (Ultimate – not design value)	540 ¹ (7878)	>540 (7878)	654 ¹ (9544)	>654 (9544)
Flexural strength, ³ parallel, lbf. (N) (4' weak direction)	40 ² (178)	>80 ² (356)	50 ² (222)	>100 (445)
Compressive strength	min. 350 psi ¹ (2400 kPa)	min. 500 psi (3445 kPa)	min. 400 psi ¹ (2750 kPa)	min. 500 psi (3445 kPa)
Humidified deflection	10/8" (32 mm) ¹	<2/8" (6 mm) ^{3,6}	5/8" (15.9 mm) ¹	<1/8" (3 mm) ^{3,6}
Permeance, ⁴ perms (ng/Pa·s·m ²)	27 [1600] ¹	>23 [1300]	25 [1400] ¹	>17 [970]
R Value ⁵ , ft ² ·°F·hr/BTU (m ² ·K/W)	.45 (0.079) ¹	.56 (0.099)	.56 (0.099) ¹	.67 (0.118)
Combustibility ⁹	Combustible	Noncombustible	Combustible	Noncombustible
Linear expansion with moisture change in/in/%RH (mm/mm %RH)	7.5 x 10 ⁻⁶	6.25 x 10 ^{-6,11}	7.5 x 10 ⁻⁶	6.25 x 10 ^{-6,11}
Surface burning characteristics (per ASTM E 84 or CAN/ULC-S102): flame spread/smoke developed	15/0 ¹	0/0	15/0 ¹	0/0
Coefficient of thermal expansion in/in/°F (mm/mm/°C)	10 x 10 ⁻⁶ (18 x 10 ⁻⁶)	8.5 x 10 ⁻⁶ (15.3 x 10 ⁻⁶) ¹²	10 x 10 ⁻⁶ (18 x 10 ⁻⁶)	8.5 x 10 ⁻⁶ (15.3 x 10 ⁻⁶) ¹²

OPTION A:



OPTION B:

