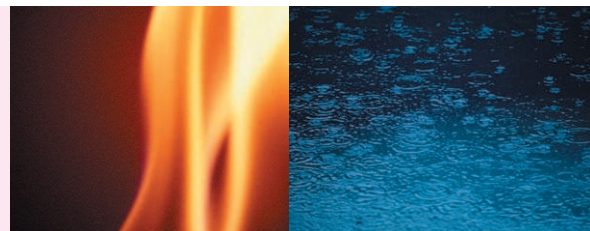




STRATAGUARD™ ROOF BOARD

SUPERIOR FIRE AND MOISTURE RESISTANCE



Fire and Rain—two of the most persistent challenges when designing commercial roofing systems. Now Owens Corning has the solution. Introducing Owens Corning StrataGuard™ Roof Board, a new gypsum wood-fiber composite coverboard that provides all-around performance.

StrataGuard Roof Board is designed for all single-ply, fully-adhered and mechanically-fastened applications, as well as under metal standing seam roofing. It features an innovative homogeneous composite of gypsum reinforced with wood fiber. This allows for superior fire and moisture resistance compared to traditional roofing coverboards such as wood fiber and Perlite.

Plus, StrataGuard Roof Board is strong and versatile. Its high-compressive strength makes it more resistant to handling and installation damage than other coverboards, and it holds up extremely well under foot traffic and other impacts.

Just compare StrataGuard Roof Board and you'll see the competitive advantages:

- Greater durability than fiberboard, Perlite and gypsum board*
- Manufactured from 95% recycled material
- No paper or glass facer to delaminate from water, warping and job-site damage
- Superior fire protection, tested and approved by Factory Mutual and Underwriters Laboratories as a fire barrier at 1/4", 1/2" and 5/8" thickness
- Superior impact and puncture resistance
- Installs easily

So discover superior roof protection—make StrataGuard Roof Board your coverboard of choice.

*Based upon a modified ASTM C 272 test

ACOUSTICS

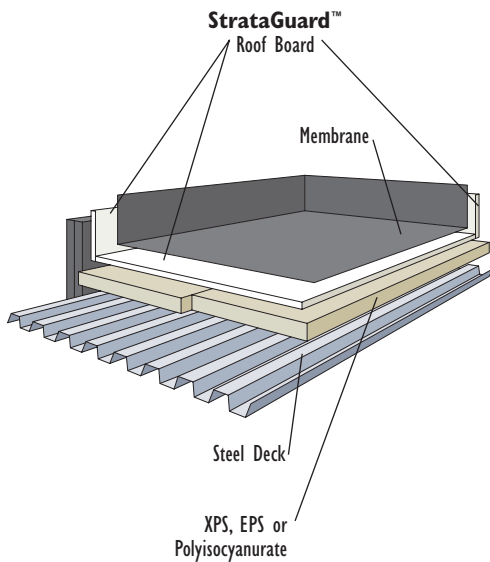
FOAM

INSULATION

PIPE

ROOFING





STRATAGUARD™ PROPERTIES AND STANDARDS

Property		ASTM Test Method	Thickness (inches)		
			1/4	1/2	5/8
Thickness (nominal)	inches (mm)	C 473	0.31 (7.9)	0.5 (12.7)	0.63 (15.9)
Width (standard)	feet (m)	C 473	4 (1.22)	4 (1.22)	4 (1.22)
Length (standard)	feet (m)	C 473	8 (2.44)	8 (2.44)	8 (2.44)
Weight (nominal)	lbs./1000 sq.ft. (kg/1000 sq.m)	D 1037	1800 (8784)	3000 (14640)	3100 (15128)
Surface finish	—	no facings or laminates			
Flexural Strength (min.)	lbf (N)	C 473	50 (222)	124 (552)	189 (841)
Compressive Strength (min.)	lbs./in ² (kPa)	D 1621	550 (3790)	800 (5515)	800 (5515)
Nail pull resistance (avg.)	lbf (N)	C 473	75 (334)	120 (534)	145 (645)
Water Absorption (max.)	% weight	C 473	10.0	10.0	10.0
Surface water absorption (max.)	g	C 473	2.5	2.5	2.5
Water vapor permeance (min.)	perm (ng/Pa.s.m ²)	E 96	>10 (>575)	>10 (>575)	>10 (>575)
Humidified deflection (max.)	inches (mm)	C 473	0.25 (6.4)	0.25 (6.4)	0.25 (6.4)
Coefficient of thermal expansion					
	in/in/°F (mm/mm/°C)		9.0x10 ⁻⁴ (16.2x10 ⁻⁴)	9.0x10 ⁻⁴ (16.2x10 ⁻⁴)	9.0x10 ⁻⁴ (16.2x10 ⁻⁴)
Thermal resistance	ft ² hr°F/BTU (m ² °C/W)	C 518 or C 577	0.25 (.044)	0.43 (.076)	0.55 (.097)
Flame Spread		E 84	5	5	5
Smoke Developed		E 84	0	0	0
Flute span (max.)	in.	FM 4450 & 4470	3	6	8

STRATAGUARD™ AND UTILITY BOARDS COMPETITIVE COMPARISON FOR ROOF ASSEMBLIES

DESIRED PROPERTIES	1/4" STRATAGUARD™	1/2" AND 5/8" STRATAGUARD™	GYPSUM BOARD	PERLITE	WOOD FIBERBOARD
Noncombustible	Yes	Yes	Yes	Yes	No
Water Resistance	Yes	Yes	No	No	No
Dimensional Stability	Yes	Yes	Yes	No	No
High Traffic Resistance	Yes	Yes	No	No	No
High Modulus of Rupture	Yes	Yes	Yes	No	No
Good Flute Spanability	Yes	Yes	Yes	No	No
Decay Resistance	Yes	Yes	No	No	No
Resistant to Warping	Yes	Yes	Yes	Yes	No
High Compressive Strength	Yes	Yes	Yes	No	No



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 To speak with a Customer Service Representative, call us at **1-800-GET-PINK (1-800-438-7465)**

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STRATAGUARD™ FASTENER PATTERN (FM 90 PSF WIND UPLIFT RESISTANCE)

