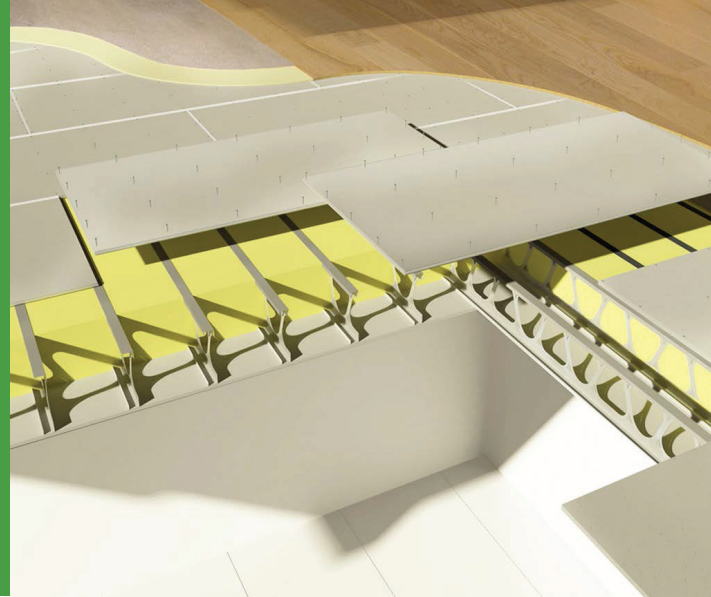


NOCOM® STRUCTURAL SUBFLOOR & ROOF DECK

NOCOM® is a strong, durable structural cement board used in the construction of floors, roofs, mezzanines, platforms & more. By combining properties of lightweight magnesium-oxysulfate cement with the strength of heavy-duty fiberglass mesh, NOCOM® is ideal for applications where strength, fire-resistance, weight and cost are a concern. Key features & benefits include:



Eliminate Poured Systems

- No curing time
- No winter heating requirements
- Limit moisture in your building
- 35% lighter than most ¾" gypcrete pours
- Immediately install walls/ finishes

Durability & Strength

- Meets commercial / residential loading
- Passes impact/ concentrated load testing
- Structural diaphragm values available
- Resists open jobsite weather conditions
- Provides no food value to termites / insects
- Dimensionally stable

Fire Resistance

- ASTM E-136 for Noncombustibility
- ASTM E-84 | ≤ 0 Flame | ≤ 5 Smoke
- 1 & 2-Hour Fire-Rated Assemblies

Health & Safety

- No Silica, Asbestos, Formaldehyde or VOC's
- Does not support mold growth
- No added chloride (no leaching chloride)
- Passes corrosion testing for extended wet exposure to steel, aluminum & copper

Other Features

- Acoustical Testing (STC / IIC)
- Installs with standard carpentry tools
- 6 layers heavy duty alkaline resistant mesh
- Lighter than portland cement boards
- Factory sealed
- Structural T&G edges

Ideal For

- Multi-story Residential
- Condos / Apartments / Hotels
- Mezzanines / Platforms / Balconies
- Tiered Seating / Auditoriums / Theaters
- Modular & Panelized construction
- Low / Steep Slope Roofs, Soffits & Fascia
- Wood & Steel Framed Structures

LOAD TABLE

Deflection oc supports	Multi-Span Uniform Load		
	12"	16"	24"
L/240	973	547	243
L/360	973	491	145
L/480	872	368	109
L/600	698	294	87

Load table includes safety factor of 2.5. Refer to complete load tables for more information.

SIZE & PACKAGING

Dimensions	¾" Thick x 4' x 8'
Weight	4.51bs/sqft
Color	Gray
Edge Detail	T&G
Pallet Sizes	30 pcs (may vary)





B1136-1 ASTM E136
CERTIFIED
NON-COMBUSTIBLE

PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	STANDARD	VALUES
Bending Strength	ASTM C1185	3,242 psi
Modulus of Elasticity	ASTM C1185	986,000 psi
Shear Strength	Per PEI 2018-6168	3,302 psi
Surface Burning Characteristics	ASTM E 84	≤ 0 Flame / ≤ 5 Smoke (Class A)
Noncombustibility	ASTM E 136-19	Passed (Certified: QAI B1136-1)
Corrosion Resistance	ASTM C665	Pass (Steel, Aluminum, Copper)
Silica Content	MSDS	No Silica
Asbestos Content	MSDS	No Asbestos
Formaldehyde Content	MSDS	No Formaldehyde
Chloride Content	EN 14582:2007	No added Chloride (< 1%)
Mold Resistance	ASTM D3273	10 (Scale 1-10, 10 being best)
Freeze Thaw Resistance	ASTM C666	Pass
R Value	ASTM C518	0.83
Humidity Absorption	72F - 94% RH, 720 hours	<28%
Humidity Deflection	ASTM C1396	< 1/16" Deflection
Expansion from dry to wet	ASTM D1037	< 0.15%
Nail head pull through	ASTM D1037	301 lbs
Fastener Withdrawal	Wood Screw Withdrawal Toggle Bolt Withdrawal	#8=297 lbf, #10=297 lbf, #12=330 lbf ¼" = 563 lbf, 3/8" = 747 lbf
PH Value	MSDS	11
Density	ASTM C1186	~77 lbs/ft'
Manufacturing Tolerance Thickness, Width, Length	ASTM C1186	+/- 0.5%

Some results list minimum performance requirements per referenced standards. Actual performance shall be considered equal or better.

Floor System – Fire, Acoustic, Concentrated, Impact & Shear Diaphragm

UL CLASSIFIED ASSEMBLY	Assembly Rating / Description (ASTM E116 / UL 263 – UL FILE R39761)
UL H514 – over Steel	1 & 2 Hour - Nocom over steel framing @ 24 OC Options: C Joist, Steel Trusses, KeyTruss, Aegis, Trussteel & FRAMECAD
UL L580 - over Steel	1 Hour - Nocom over MarinoWARE JoistRite @ 16 OC
UL M527 – over Steel	1 Hour – Nocom over Sustainable / Supaloc Trusses @ 24 OC
UL P569 – over Steel	1 Hour – Nocom over steel roof trusses Options: Aegis / Mitek Ultra-Span, TrusSteel, Eisen Panel Gateway
UL L528 – over Wood	1 Hour - Nocom over Wood Trusses @ 24 OC
UL L587 – over Wood	1 Hour - Nocom w/ toppings over Wood Trusses @ 24 OC

PROPERTY	STANDARD	VALUES
Acoustical Ratings	ASTM E90 / ASTM E492	STC 55 / IIC 55 (and greater) available with most common floor finishes over steel & wood
Concentrated / Impact Loading 24" Span, Partial Edge Support	ASTM E661 / AC367	Dry and Wet/Re-dry, 1" disk Meets max deflection limit of 0.108" at 200 lbs. Passed impact load of 75 ft-lbs, Passed 400 lb proof load
Shear Diaphragm Loading	ASTM E455 – Steel Framing	Simple Beam 1,026 plf ultimate (6" & 12") Cantilever 2,183 plf ultimate (3" & 12")

Assemblies must be built as-tested to achieve published performance, more details available at www.multi-panels.com or upon request. Some results list minimum performance requirements per referenced standard. Actual performance shall be considered equal or better.

*Important All applications to be reviewed and approved by licensed design professional as meeting requirements of application & local building code. Download current and complete installation specifications & testing data online at www.multi-panels.com
Failure to follow current installation instructions may affect product performance & warranty coverage.*

Fasteners:

Fasteners into Steel: #8 X 1-5/8" Grabber GH8158LG.

Fasteners into Wood: #8 x 1-5/8" Grabber GCB8158HL or Ring Shank Nails 0.113-in x 2".

Fasteners & fastening pattern may vary depending on requirements of tested assemblies and design. See test reports and installation specifications. Fasteners must be code recognized. Do not use drywall screws.

Adhesive:

Alpha Pemco 5100 in T&G joints and butt ends suggested for improved strength at board joints. See installation specifications.

Warranty:

The Nocom warranty covers certification scope/values for 10 years beginning date of delivery, see full warranty for details.

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