

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)



Multi-Panels, Inc.

info@multi-panels.com

+ 1 617 714 0266

www.multi-panels.com

NS.SUB-5.20.2025

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 EN 13501-1:2018	Passed (Certified: QAI B1136-1) Class A1fl
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 1/4" = 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 E119 / 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 / AC308	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.

Specification Approvals

Project Name	
Location	
Contractor Architect	
Date	