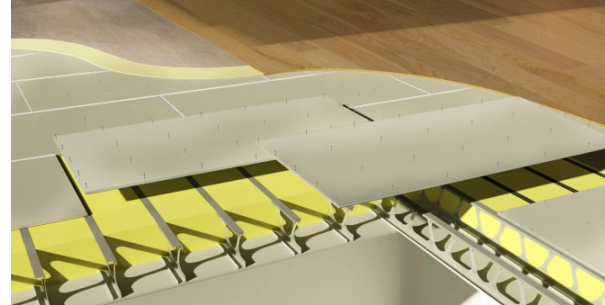


PRODUCT SUBMITTAL SHEET

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
- › 40% 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 E136 for noncombustibility
- › ASTM E84 | 0 Flame | 0 Smoke
- › 1 & 2-Hour Fire-Rated Assemblies
- › UL Certified for USA / Canada

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
- › 20% lighter than portland cement boards

Ideal For:

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

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 lbs/sf (130 lbs ea)
Color	Gray
Edge Detail	T&G
Pallet Sizes	30 pcs / pallet



BUILDING UNIT
FIRE RESISTANCE CLASSIFICATION
SEE UL FIRE-RESISTANCE DIRECTORY

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 / 0 Smoke
Noncombustibility	ASTM E 136-19	Passed
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	#8=297 lbf, #10=297 lbf, #12=330 lbf
	Toggler Bolt Withdrawal	1/4" = 563 lbf, 3/8" = 747 lbf
PH Value	MSDS	11
Density	ASTM C1186	~ 64 lbs/ft3
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

Property	Standard	Values
UL Classified Fire-Ratings	ASTM E119 / UL 263 UL Classified – R39761	1 & 2-Hour Fire Rated Designs UL H514, M527
Acoustical Ratings	ASTM E90 / ASTM E492	STC 55 & IIC 55 (and greater) available with carpet, ceramic, LVT & engineered 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 24" OC, Unblocked	ASTM E455	1,026 plf ultimate, 6" & 12" spacing

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

Specification Approvals

Project Name	
Location	
Contractor / Architect	
Date	

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.ameriform.com. Failure to follow current installation instructions may affect product performance & warranty coverage.

Notes: