



**NUDO**<sup>®</sup>

**SECURESHIELD**<sup>™</sup>

MEDIUM SECURITY COMPOSITE  
WALL AND CEILING PANEL



# SECURITY

## AT THE CORE OF DESIGN

### POPULAR APPLICATIONS:

Corridor Walls  
Data Rooms  
Financial Institutions  
Guard Houses

Hospitals  
Interrogation Rooms  
Jails & Prisons  
Military Facilities

Municipal Buildings  
Pharmaceutical Labs  
Holding Cells  
Schools

# SECURITY WITHOUT SACRIFICING DESIGN



SECURESHIELD™

It's no secret the need for security has increased around the world. Nudo meets your requirements of a medium security wall and ceiling panel with our advanced composite panel – SecureShield™. The beauty of SecureShield is its ability to provide a high level of protection, without disrupting the design criteria necessary for your building and company image. SecureShield provides superior resistance to penetration from either blunt force or sharp instruments. It installs directly to the structural framing like any standard gypsum panel - no additional products or labor required.

## Features and Benefits

- Polycarbonate panel backer provides superior resistance to penetration and impact.
- Panel can be customized to meet medium and high security requirements without sacrificing design or room aesthetics.
- Thickness options of the polycarbonate and gypsum provide impact resistance up to 3200 ft. pounds of energy.
- Composite one piece panel installs in a fraction of the time required for two step steel mesh products.
- Economical compared to other alternatives, such as concrete block and/or steel products.
- Surface finishes and protection can include a full range of patterns and colors, including High Pressure Laminates, Impact Resistant Plastics and Decorative Metals with a variety of textures and fire-resistance.



# THE PANEL OF CHOICE IN CORRECTIONAL FACILITIES FOR OVER 10 YEARS

## PHYSICAL CHARACTERISTICS & PROPERTIES

### Standard Sizes

48" x 96"  
48" x 120"  
48" X 144"

### Fire-Rating: Class A

### Nominal Thickness

Gypsum Options: .50" or .625"  
Polycarbonate Options: .010" up to .125"  
FRP Options: .030" up to .090" (*Multiple Colors and Textures Available*)

### Performance Properties

Impact Resistance - Based on gypsum and products used.  
Contact Nudo for details.

Hardness - 65 lbs

Fire-Rated Drywall  
Polycarbonate Backer

SecureShield FRP (optional)  
Fiberglass Reinforced  
Plastic - Facing



# NUDO®

SecureShield has been used as a secure wall and ceiling panel by the Pentagon and New York State Correctional Facilities for years. In addition to medium security areas of prisoner confinement, SecureShield meets the requirements for holding cells, interrogation rooms, sensitive data storage facilities, pharmaceutical labs, municipal buildings and more. Optional FRP faced panels provide moisture resistance and cleanability for use in kitchens, bathrooms, showers, locker rooms and clean rooms.

Installation of SecureShield panels meets all applicable codes and is consistent with standard construction methods outlined in the Gypsum Association GA-216.

<b>MECHANICAL PROPERTIES*</b>	<b>Test Method</b>	<b>Units</b>	<b>Values</b>
Tensile Strength, Ultimate	ASTM D 638	psi	9,500
Tensile Strength, Yield	ASTM D 638	psi	9,000
Tensile Modulus	ASTM D 638	psi	340,000
Elongation	ASTM D 638	%	110
Flexural Strength	ASTM D 790	psi	13,500
Flexural Modulus	ASTM D 790	psi	345,000
Compressive Strength	ASTM D 695	psi	12,500
Compressive Modulus	ASTM D 695	psi	345,000
Izod Impact Strength, Notched @ 0.125"	ASTM D 256	ft·lbs/in	18
Izod Impact Strength, Unnotched @ 0.125"	ASTM D 256	ft·lbs/in	60 (no failure)
Instrumented Impact @ 0.125"	ASTM D 3763	ft·lbs	>47
Shear Strength, Ultimate	ASTM D 732	psi	10,000
Shear Strength, Yield	ASTM D 732	psi	6,000
Shear Modulus	ASTM D 732	psi	114,000
Rockwell Hardness	ASTM D 785	–	M70 / R118

\*Typical Values for Polycarbonate



**Visit [www.Nudo.com](http://www.Nudo.com) or  
contact our local dealer for details.**



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