



## Panel Rey® GUARD REY / GUARD REY X

[Mold resistant and fireproof gypsum board]

Submittal

### DESCRIPTION

Due to its superior performance, the GUARD REY® and GUARD REY® TYPE X gypsum boards are non-structural gypsum panels specified for Interior applications, intended as a base for ceramic, plastic wall tile or plastic finish panels in areas exposed to limited moisture environments such as tubs, shower, toilets, kitchens, laundries and utility room. These products also have enhanced mold resistant for areas with extreme humidity exposure.

GUARD REY® TYPE X gypsum board is also designed for areas where fire rated product are specified.

### ADVANTAGES

The GUARD REY® gypsum board is made of special hydrophobic additives which enhance its ability to resist high moisture environments, it also has protection to prevent mold and mildew growth which achieved a value of 10 in ASTM D3273 TEST. GUARD REY® TYPE X gypsum board also has a fireproof core specially treated to enhance its fire resistance when installed according to fire-rated tested assemblies.

### LIMITATIONS

- GUARD REY® is designed for use indoors only.
- Shall not be used where there will be direct exposure to water or continuous high humidity before, during, and after construction.
- Avoid exposure to constant temperatures higher than 125°F (52°C, for example, close to burners, furnaces or heaters.
- GUARD REY® is a non-structural panel, it cannot to be used as a structural fastener base or to support wall or ceiling mounted objects.
- The spacing of the ceiling frames must not exceed the recommendations specified in the ASTM C -840 standard.
- Panel Rey® does not guarantee or be held responsible for the performance of interior finishing systems applied on the GUARD REY® gypsum board.
- The suitability and compatibility of any finishing system with GUARD REY® gypsum board is finishing system manufacturer's liability or design authority.
- Joints, open spaces and deep cavities should be properly sealed. Otherwise it will cause the warranty invalidation.

### PRODUCT DATA

#### DIMENSIONS

TYPE	Thickness	Wide	Lengths*	Edge Configuration	UL Type	"R" Value
Guard Rey	½" (12.7mm)	4 ft (1.22 m)	8 – 12 ft (2.44 – 3.66 m)*	Tapered	-	0.45
Guard Rey X	⅝" (15.9mm)				RHX	0.48

\*Up to 16 ft lengths available on special orders only. Conditions apply.

**TECHNICAL DATA**

Properties	UNITS	1/2"	5/8"
Weight	lb/SF	1.57	2.26
Flexural Strength ( Parallel to fiber )	Lb <sub>f</sub>	≥ 40	≥ 50
Flexural Strength ( Across to fiber )	Lb <sub>f</sub>	≥ 110	≥ 150
Nail Pull Resistance	Lb <sub>f</sub>	≥ 80	≥ 90
Core Hardness	Lb <sub>f</sub>	≥ 15	≥ 15
Edge Hardness	Lb <sub>f</sub>	≥ 15	≥ 15
Mold Resistance (ASTM D-3273)	-	10	10
Core Water Absorption	%	≤ 5	≤ 5

Surface Burning characteristics ASTM E-84:

Flame Spread	0
Smoke Developed	0