

Imex BZ LLC



DRYWALL
FIRE REY C

PANEL REY[®]
Paneles de Yeso

FIRE KING C DRYWALL



Description

King Panel® Type C Fireproof drywall is a product consisting of a non-combustible core made essentially of gypsum, reinforced with fibers resistant to elevated temperatures and special additives for provide greater strength and performance against compared to a traditional RF product. It is covered on both sides with 100% recycled paper. The face paper covers the beveled edges of the panel along the entire length for further strengthening and protection of the core. The ends are carefully frosted in square cut. Type C Fireproof drywall is offered in lengths and thicknesses 1/2" and 5/8". Panel King® products do not contain asbestos.

Basic Applications

King® Panel Fireproof drywall is used as a material to cover and protect walls and ceilings of residential or commercial construction sites that typically require a specific assembly for resistance to fire. Due to its natural properties, it dissipates fire and heat transfer (natural gypsum contains approximately 21% water, which begins to evaporate when heated, delaying heat transfer. The core remains incombustible but shrinks due to water loss and cracking appears; to prevent it, fibers resistant to high temperatures and additives that expand with heat neutralizing the effects are added. It is designed to be fixed directly by means of lathes, nails or adhesives to wood, metal frames or even on another existing surface. If the joints are covered, this drywall can resist the passage of smoke.

- **Thickness 1/2"** – Applied for applications of 1 to 3 capas in many dividers and columns to protect the **structural** elements. Classified in systems **of** up to 4 hours of resistance.
- **Thickness 5/8"** – Recommended for application in partition walls In 1 or 2 layers and roofs, classified in systems of up to 4 hours of resistance.

Limiting

Fire-resistant drywall is designed for indoor use only. Avoid storing or installing them at temperatures above 50°C, for example in places adjacent to burners, ovens or heaters. Avoid exposure to excessive or continuous moisture before, during, and after installation, such as in swimming pools, saunas, or steam rooms. Remove moisture sources immediately. The panels are not a structural element and should not be used as a base for screwing or nailing.

Handling and Storage

Drywall does not generate or encourage mold and mildew growth when transported, stored, handled, installed and properly maintained. The panel should always be dry to prevent any development of microorganisms. It should be stored in an area that protects it from inclement weather, even where a construction site is in progress.

During its transit it must be protected with some coverage in good condition. The plastic bags that cover the panel are designed to protect it only during transit and must be removed immediately once the product arrives and is unloaded, otherwise favorable conditions for the growth of mold and mildew can be favored.

Do not store the panel on the floor. Sufficient shoe horns should be placed to provide adequate support along the panel to prevent buckling of the material. Take special care not to damage or mistreat the edges of the product to ensure a better installation job. The drywall should always be stowed lying down, never on its edges or ends as it is not a stable position and there is a risk of accidents.

Good Installation Practices

Installation

The temperature of the work site must be maintained at no less than 10 °C for the application of adhesives on the drywall, during joint treatment, texturing and decoration. Proper ventilation is necessary in the area of work.

Decoration

The designer, contractor or owner should review the Gypsum Association bulletin GA-214-97 "Recommended Levels of Gypsum Board Finish" to select the appropriate level of finish, and to be able to obtain the desired result. All surfaces must be clean, free of dust and grease. To equalize the porosity between the surface of the paper and the composite, the surface must be treated and sealed with a primer before texturing or finishing. final.

Fire resistance

The desired fire resistance performance for assembly designs is established by means of tests conducted through



of independent laboratories. These designs are made of specific materials under to **Precise** Configuration. When Choosing designs to meet certain fire performance standards, **YOU** must ensure **that** each component of the Selected Design Is ace specified in The test and that all materials have been Assembled according to To Requirements.

Available Standards

- Manufacturer** ASTM C-1396
ASTM C-473
- ing**
- Installatio** ASTM C-840 GA-214, GA-216, GA-236
- n** ASTM E-84
Flame Propagation 0 Smoke

Product Data

Nominal dimensions					
Thickness	Width	Longitude*	Type of Edge	Guy UL Chord	Resistance Thermal " R"
1/2" (12.7mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	PRC	0.45
5/8" (15.9mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	PRC	0.48
1 1/8" (28.6mm)	4' (1219mm)	8' - 12' (2438mm - 3658mm)	Beveled	PRC2	0.48

* Lengths Special are Available low order. Apply Restrictions.

Physical Properties										
Characteristics	Weight	Resistance to Parallel	Resistance to the Perpendicular	Nail Pull	Hardness of Core	Singing hardness	Nominal Thickness	Bezel/Max-Min) Depth	Longitud e	Quadrature
UNITS	kg/Pz 4x8 lb/SPS	Lb _f	Lb _f	Lb _f	Lb _f	Lb _f	in/1000	in/1000	Nom	in
ASTM 1/2" N/A	40		110	80	15	15	515 ± 16	20 To	± 0.25	± 0.13
1/2"	30 70		180	88	15	15	515	80	0.01	0.06
ASTM 5/8" N/A	2050	50	150	90	15	15	625 ± 16	20 To 90	± 0.25	± 0.13
5/8"	37.7 2600	85	230	110	32	30	640	80	± 0.01	± 0.06

These products of Panel King ® are Classified by Underwriters Laboratories Inc. with base in the standards ASTM E-119 y ASTM E-84.

Fire Resistance Classification Type PRC

Surface Burning Characteristics

Flame Spread 0

Smoke Developed 0

See UL Directory of Products Certified for Canada and UL Fire Resistance Directory



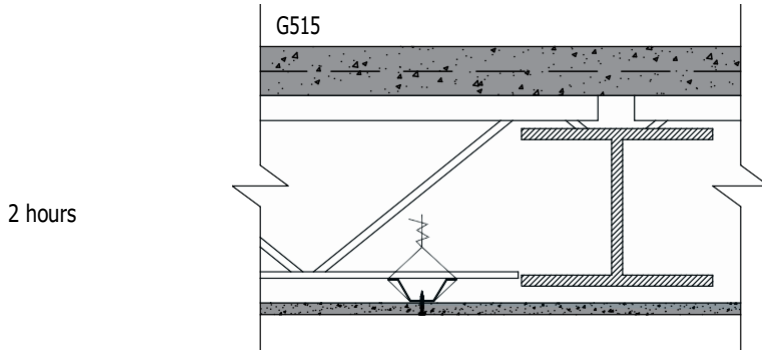
FIRE REY C



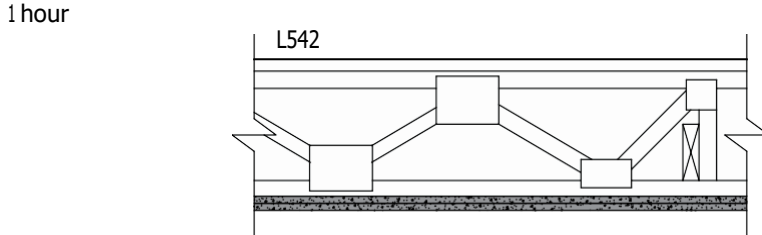
UL-rated outdoor assemblies with galvanized steel frames

Classification of the Assembly

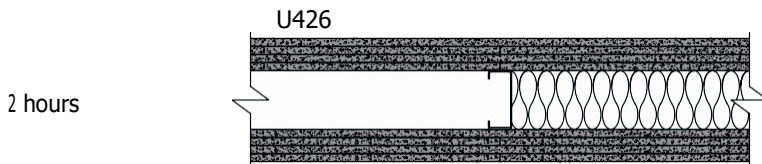
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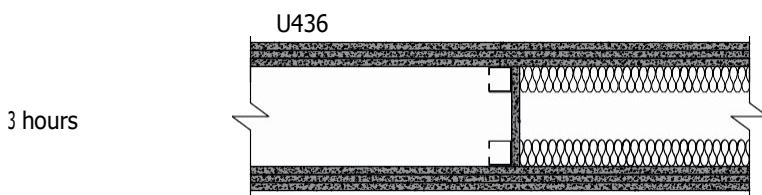
Panel Fire Rey C 12" installed at 2" annals listón
 C alibr e 26 spaced every 61cm. Fixed to open core beams
 under slab cover a c e Ro C on 2-12" sheet AC.



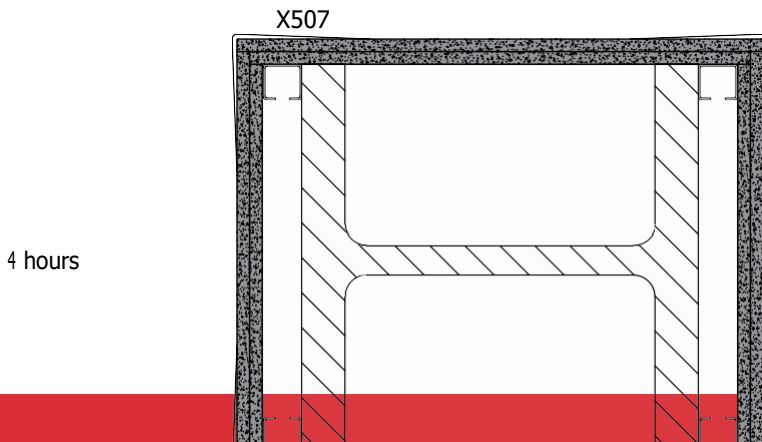
Dos C apas de pan e l Fi r e Re y C 1/2"
 installed on frame of made r a estructural 2332"
 T&G C on c e r cas of mader a of 2"x4" spaced
 to a maximum of 61cm. With 20-gauge galvanized
 steel plate reinforcements .



Two layers of Glass Rey X 5/8" panel installed vertically on the
 outside of the frame composed of 9.20cm (3-5/8") posts spaced
 every 61cm. (24"). Installation of two layers of Fire Rey X 5/8"
 drywall on the inner side of the assembly, the joints or
 joints of panels must be out of phase between interior
 and exterior.



Tres c apas de pan e l Fi r e Re y C 12" por c a r
 a exterior de rack doble a base de poles 4.10cm.
 (1-5/8") spaced between frames 7.62cm. (3") and joined
 together by sections of drywall Fire Rey C 1/2",
 or sections of mooring channel spaced vertically to a
 maximum of 1.22m. The joints or joints of panels must
 be out of phase between interior and exterior.

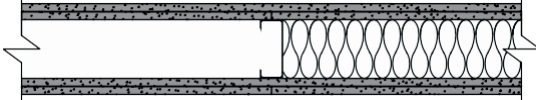
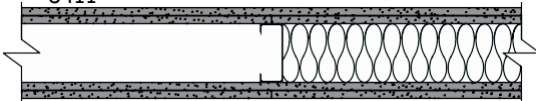
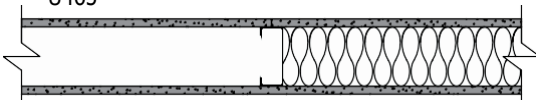
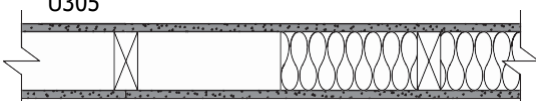
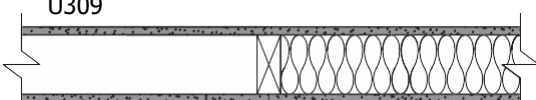
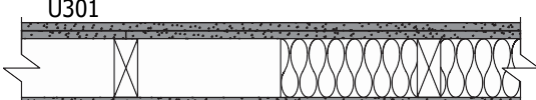




UL-rated outdoor assemblies with galvanized steel frames

Assembly classification

UL Design

2 hours	U412	
2 hours	U411	
1 hour	U465	
1 hour	U305	
1 hour	U309	
2 hours	U301	

Double layer of panel Fire Rey C 12" installed in the direction vertical and on both sides of the frame based on galvanized posts 4.10cm. (1-5/8") gauge 26 spaced every 61cm. (24"). Panel joints shall be out of phase between both sides of the rack and between each layer.

Double layer of panel Fire Rey C 5/8" installed in vertical direction at a postes galvanizados 6.35cm. (2-1/2") C alibre 26 con a maximum spacing of 61cm. (24") to pole centers. Installation of two layers of Fire Rey C 5/8" drywall on the back face of the assembly, placed vertically, the panel joints must be out of phase between both layers and faces of the frame.

Panel Fire Rey C 5/8" installed vertically and on both sides of the rack composed of 9.20cm (3-5/8") posts spaced to a maximum of 61cm. (24"). Panel joints or joints shall be out of phase between both sides of the frame.

Panel Fire Rey C 5/8" installed vertically or horizontally on both sides of the frame of wooden posts of 2"x4" spaced every 40.6cm. (16"). Panel joints shall be out of phase between both sides of the rack.

Panel Fire Rey C 5/8" installed vertically or horizontally on both sides of the frame based on wooden posts of 2"x4" spaced every 61cm. (24"). Panel joints shall be out of phase between both sides of the rack.

Double layer of Panel Fire Rey C 5/8" installed vertically or horizontally on both sides of the frame based on wooden posts of 2"x4" and spaced every 40.6cm. (16"). Panel joints shall be out of phase between both sides of the rack.



**FOR MORE
INFORMATION:**

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