

GLASBORD EMBOSSED AND SMOOTH CEILING PANELS SIZE & DEFLECTION COMPARISON INFORMATION

Product

Glasbord ceiling panels with Surfaseal are made of fiberglass reinforced plastic. They are durable, flexible building material and will not mold, mildew, rot, or corrode. They exhibit excellent resistance to mild chemicals and moisture. Ceiling panels have either a Class A (I) or Class C (III) rating for flame spread and smoke development.

Purpose

Glasbord ceiling panels are recommended for use in food/meat/dairy processing rooms, commercial kitchens, washrooms, and wherever a moisture-resistant, durable, non-acoustical ceiling system is required. Panels can be easily removed and cleaned to maintain a sanitary appearance. Ideal for use in combination with Sanigrig® II frp suspended grid system for a totally moisture/corrosion-resistant ceiling.

Surfaseal finish

Surfaseal is a unique surface treatment that, when compared to ordinary frp, exhibits up to ten times the cleanability, six times the stain resistance, and twice the abrasion resistance.

GLASBORD CEILING PANELS DEFLECTION POTENTIAL COMPARISON CHART

PART NUMBER IDENTIFIER	NOMINAL THICKNESS	COLOR	SURFACE	FIRE RATING	CALCULATED DEFLECTION POTENTIAL		TECH DATA #
					2' x 4' PANEL (0.6 m x 1.2 m)	2' x 2' PANEL (0.6 m x 0.6 m)	
FX	0.12" (3.0mm)	(85) white	Embossed	Class A	0.240" (6.1mm)	0.095" (2.4mm)	6226
FX	0.10" (2.5mm)		Embossed	Class A	0.472" (12.0mm)	0.188" (4.8mm)	6226
FXE (Factory Mutual)	0.09" (2.3mm)		Embossed	Class A	0.470" (11.9mm)	0.187" (4.7mm)	6223
FSI	0.10" (2.5mm)		Smooth	Class A	0.302" (7.7mm)	0.121" (3.1mm)	65020
CGI	0.10" (2.5mm)		Embossed	Class C	0.330" (8.4mm)	0.132" (3.3mm)	6906
PCI	0.09" (2.3mm)		Embossed	CAN/ULC	0.437" (11.0mm)	0.175" (4.4mm)	6274
PSI	0.075" (1.9mm)		Smooth	Class C	0.355" (9.0mm)	0.142" (3.6mm)	6285

All fiberglass panels are prone to deflection (also called "pillowing" or "sag") when suspended in a grid system. Room operating conditions (temperature extremes and prolonged humidity) are contributing factors. Insulation overlaid on the panels, and certain critical lighting conditions will exaggerate the perception of the deflection. To minimize warping due to moisture absorption, the ceiling plenum must be ventilated to prevent condensation on the back of the ceiling panels.

NOTE: PLEASE REFERENCE THE APPROPRIATE TECH DATA # FOR DETAILED PRODUCT INFORMATION.

Sanigrig II Grid & Glasbord/Kemply Ceiling Panel Sizes

Sanigrig Grid Size	Glasbord Panel Size	Kemply Panel Size				
		1/4" (6.4mm) thick	1/2" (12.7mm) thick	5/8" (15.9mm) thick	3/4" (19.1mm) thick	1" (25.4mm) thick and over
(a) 2' x 4' (0.6m x 1.2m)	23-3/4" x 48" (0.6m x 1.2m)	23-3/4" x 48" (0.6m x 1.2m)	23-3/4" x 48" (0.6m x 1.2m)	23-3/4" x 48" (0.6m x 1.2m)	Not Recommended	23-3/4" x 47-1/2" (0.6m x 1.2m)
(b) 2' x 2' (0.6m x 0.6m)	23-3/4" x 23-3/4" (0.6m x 0.6m)	23-3/4" x 23-3/4" (0.6m x 0.6m)	23-3/4" x 23-3/4" (0.6m x 0.6m)	23-3/4" x 23-3/4" (0.6m x 0.6m)		23-5/8" x 23-5/8" (0.6m x 0.6m)
(c) 2' x 2' (0.6m x 0.6m)	23-3/4" x 24" (0.6m x 0.6m)	23-3/4" x 24" (0.6m x 0.6m)	23-3/4" x 24" (0.6m x 0.6m)	23-3/4" x 24" (0.6m x 0.6m)		23-5/8" x 23-5/8" (0.6m x 0.6m)

(a) Grid configured with main tees 4' O.C. and 4' cross tees interlocking main tees.

(b) Grid configured with main tees 4' O.C. and 4' cross tees interlocking main tees and 2' cross tees (SG222) intersecting 4' tees (see back diagram).

(c) Grid configured with main tees 2' O.C. and 2V cross tees (SG223) interlocking main tees.

Standard Metal Grid & Ceiling Panel Sizes

Grid Size	Panel Size
2' X 4' (0.6m x 1.2m)	23-3/4" x 47-3/4" (0.6m x 1.2m)
2' X 2' (0.6m x 0.6m)	23-3/4" x 23-3/4" (0.6m x 0.6m)