



Product Substitution Notification

Effective Date: 1/25/2023

Products: Air Louvers - KeraShield™ FRF (KFRF), KeraShield FRL™ (KFRL)

Reason for Substitution Request: Manufacturer has discontinued those products.

	Pyran® Platinum F (PPF)	KeraShield FRF™ (KFRF)
Material	Ceramic glass with heavy-duty film applied to one side.	Ceramic glass with heavy-duty film applied to one side.
Thickness	3/16" (5 mm)	3/16" (5 mm)
Weight	2.6 psf	2.6 psf
Light Transmission	80%	88%
STC	31	35
Warranty	3 year limited ASTM E2074, ASTM-2010-01	3 year limited
Fire Ratings	UL9, UL10B, UL10C, NFPA80, 252 & 257 UBC 7-2, UBC 7-4 ULC S104, CAN4-S106	UL9, UL10B, UL10C NFPA 80, 252 & 257
Hose Stream Test	Yes	Yes
Impact Safety Ratings	CPSC 16CFR 1201 (CAT I & II) ANSI Z97.1	CPSC 16CFR 1201 (CAT I & II) ANSI Z97.1
Fire Protective	Yes	Yes
Fire Resistive	No	No
	Pyran® Platinum L (PPL)	KeraShield FRL™ (KFRL)
Material	Laminate of 2 panes of glass ceramic	Laminate of 2 panes of glass ceramic
Thickness	3/8" (9.5 mm)	5/16" (7.9 mm)
Weight	4.1 psf	4.1 psf
Light Transmission	80%	82%
STC	36	37
Warranty	5 year limited ASTM E2074, ASTM-2010-01	5 year limited
Fire Ratings	UL9, UL10B, UL10C NFPA 80,252 & 257 UBC 7-2, UBC 7-4 ULC CAN4-S104, CAN4-S106	UL9, UL10B, UL10C NFPA 80,252 & 257
Hose Stream Test	Yes	Yes
Impact Safety Ratings	CPSC 16CFR 1201 (CAT I & II) ANSI Z97.1	CPSC 16CFR 1201 (CAT I & II) ANSI Z97.1
Fire Protective	Yes	Yes
Fire Resistive	No	No

Note: Glass-ceramics do not act as a barrier to radiant or conducted heat transfer (ASTM E119/UL 263) and as such, use in openings with fire ratings of 60 minutes or greater may require approval from the local authority having jurisdiction (AHJ).