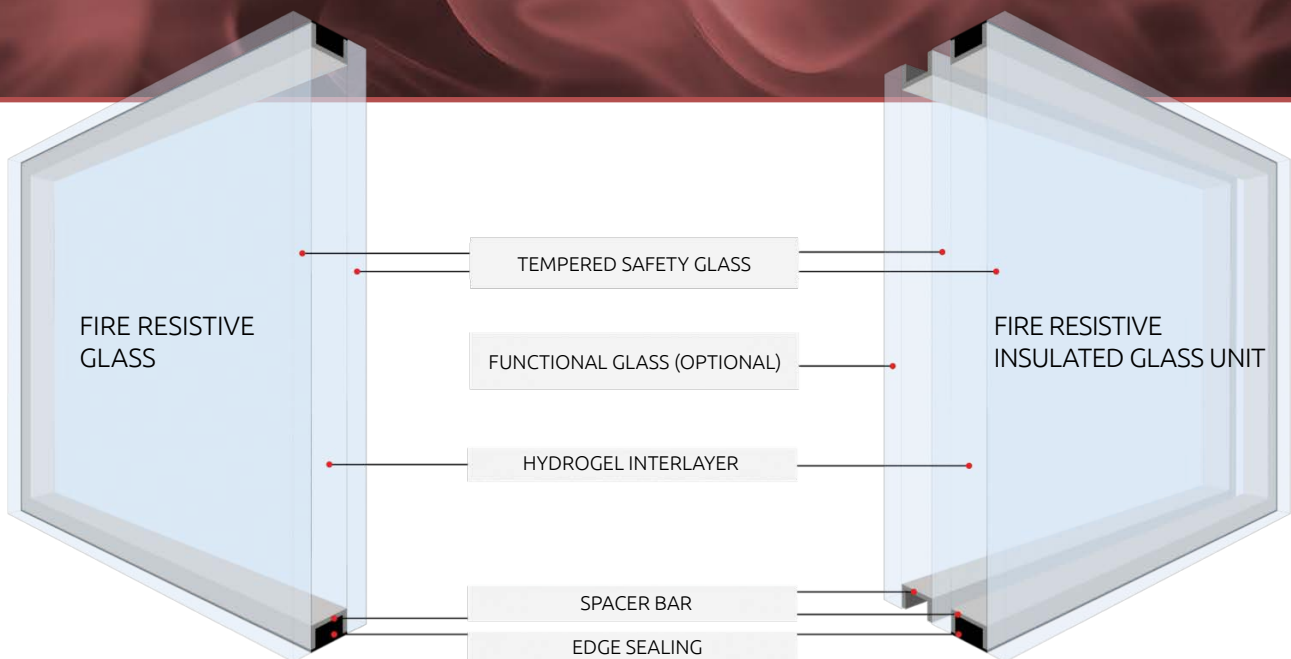


Fire resistive glass with largest sizes available in industry



NVOY
Fire Rated Systems

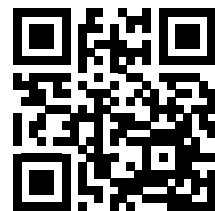
Powered by **POLFLAM**[®]



Elevate your building's fire safety with NVOY Fire Rated Systems, featuring POLFLAM fire resistive glass. Perfected nearly 20 years ago, POLFLAM's hydrogel technology delivers unmatched fire protection. Trusted across Europe, it seamlessly integrates into any design.

Why choose NVOY Fire Rated Systems?

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- Largest sizes available in the industry.
- Multifunctional glass products.
- Available in a wide range of classifications.
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Achieve unmatched fire safety and design flexibility.

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PRODUCT OVERVIEW – TECHNICAL PARAMETERS

POLFLAM	45	60	90	120	180
Nominal thickness (approx.)	1-1/16 in. (27 mm)	1-3/16 in. (30 mm)	1-29/64 in. (37 mm)	1-21/32 in. (42 mm)	2-1/4 in. (57 mm)
Thickness tolerance	± 5/65 in. (2 mm)	± 5/65 in. (2 mm)	± 1/8 in. (3 mm)	± 1/8 in. (3 mm)	± 1/8 in. (3 mm)
Weight (approx.)	10 lb/ft ² 49 kg/m ²	10.6 lb/ft ² 52 kg/m ²	12.5 lb/ft ² 61 kg/m ²	13.7 lb/ft ² 67 kg/m ²	17.6 lb/ft ² 86 kg/m ²
Fire rating	45 min.	60 min.	90 min.	120 min.	180 min.
Daylight transmittance [%]	86	86	84	84	npd
U-value [Btu/h·ft ² ·F]	0.68 (Winter) 0.63 (Summer)	0.64 (Winter) 0.60 (Summer)	0.57 (Winter) 0.53 (Summer)	0.52 (Winter) 0.49 (Summer)	npd
STC Rating (approx.)	43	43	44	45	47
Pendulum body impact resistance	npd				
Maximum temperature range	- 40 / + 122 °F				

POLFLAM VIEW	60	120
Nominal thickness (approx.)	1-1/2 in. (38 mm)	1-31/32 in. (50 mm)
Thickness tolerance	± 1/8 in. (3 mm)	± 1/8 in. (3 mm)
Weight (approx.)	15.4 lb/ft ² 75 kg/m ²	18.4 lb/ft ² 90 kg/m ²
Fire rating	60 min.	120 min.
Daylight transmittance [%]	84	81
U-value [Btu/h·ft ² ·F]	0.62 (Winter) 0.58 (Summer)	0.51 (Winter) 0.48 (Summer)
STC Rating (approx.)	npd	46
Pendulum body impact resistance	npd	
Maximum temperature range	- 40 / + 122 °F	



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