

20-180 Minute Fire Protective Ceramic Products – Published Listings vs. 2012 & 2015 IBC Code Requirements

Fire Protective Ceramic Product	Manufacturer's Published Listing Size, Rating and Application (Mistakenly Understood as Code Approved Sizes)	2012 & 2105 IBC Chapter 7, Tables 716.5 and 716.6, Code Limitations and Requirements
Manufacturer: Nippon		
FireLite/FireLite NT/FireLite Plus/FireLite IGU	3,325 sq. in. in 20 – 45 minute windows, transoms and sidelites	Permitted up to the maximum size tested but LIMITED to 25% of the wall area per Table 716.5 and 716.6.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	3,204 sq. in. in 20 – 45 minute doors	Permitted up to the maximum size tested per Table 716.5.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	3,325 sq. in. in 60 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	3,2014 sq. in. in 60 minute non-temperature rise doors	LIMITED to 100 sq. in. in 60 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	2,627 sq. in. in 90 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE FOR INTERIOR APPLICATIONS. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6. Some exterior applications may allow 90 minute exterior fire protective windows depending on Table 705. Fire resistive glazing can be used in 90 minute exterior windows without limitations.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	2,034 sq. in. in 90 minute non-temperature rise doors.	LIMITED to 100 sq. in. in 90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	100 sq. in. in 60 – 90 minute temperature rise doors.	LIMITED to 100 sq. in. in 60-90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
FireLite/FireLite NT/FireLite Plus/FireLite IGU	100 sq. in. in 180 minute temperature rise doors.	LIMITED to 100 sq. in. in 180 minute door vision panels per Table 716.5.
Manufacturer: Saint Gobain		
Keralite R, F, and L	3,627 – 4,515 sq. in. in 20-45 minute windows, transoms and sidelites	Permitted up to the maximum size tested but LIMITED to 25% of the wall area per Table 716.5 and 716.6.
Keralite R, F, and L	3,627 sq. in. in 20 – 45 minute doors	Permitted up to the maximum size tested per Table 716.5.
Keralite R, F, and L	3,627 – 4,500 sq. in. in 60 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6.
Keralite R, F, and L	3,627 sq. in. in 60 minute non-temperature rise doors	LIMITED to 100 sq. in. in 60 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
Keralite R, F, and L	2,736 – 4,515 sq. in. in 90 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE FOR INTERIOR APPLICATIONS. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6. Some exterior applications may allow 90 minute exterior fire protective windows depending on Table 705. Fire resistive glazing can be used in 90 minute exterior windows without limitations.

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Keralite R, F, and L	3,534 sq. in. in 90 minute non-temperature rise doors	LIMITED to 100 sq. in. in 90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
Keralite R, F, and L	4,500 – 4,515 sq. in. in 120 minute windows, transoms and sidelites.	NOT PERMITTED IN ANY SIZE. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6.
Keralite R, F, and L	100 sq. in. in 60 – 90 minute temperature rise doors.	LIMITED to 100 sq. in. in 60-90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
Keralite R, F, and L	100 sq. in. in 180 minute temperature rise doors.	LIMITED to 100 sq. in. in 180 minute door vision panels per Table 716.5.
Manufacturer: Schott		
Pyran Star, L, F and Crystal	3,202 sq. in. in 20 – 45 minute windows, transoms and sidelites	Permitted up to the maximum size tested but LIMITED to 25% of the wall area per Table 716.5 and 716.6.
Pyran Star, L, F, Crystal, Platinum, F and L	2,736 sq. in. in 20 – 45 minute doors	Permitted up to the maximum size tested per Table 716.5.
Pyran Star, L, F and Crystal	3,202 sq. in. in 60 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6.
Pyran Star, L, F, Crystal, Platinum, F and L	2,736 sq. in. in 60 – 90 minute non-temperature rise doors	LIMITED to 100 sq. in. in 60-90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
Pyran Star, L, F and Crystal	3,202 sq. in. in 90 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE FOR INTERIOR APPLICATIONS. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6. Some exterior applications may allow 90 minute exterior fire protective windows depending on Table 705. Fire resistive glazing can be used in 90 minute exterior windows without limitations.
Pyran Platinum L	3,143 sq. in. in 60 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6.
Pyran Platinum L	3,143 sq. in. in 90 minute windows, transoms and sidelites	NOT PERMITTED IN ANY SIZE FOR INTERIOR APPLICATIONS. Fire resistive glazing tested to ASTM E-119 and rated equal to the wall is required per Table 716.5 and 716.6. Some exterior applications may allow 90 minute exterior fire protective windows depending on Table 705. Fire resistive glazing can be used in 90 minute exterior windows without limitations.
Pyran Star, L, F, Crystal, Platinum, F and L	100 sq. in. in 60 – 90 minute temperature rise doors.	LIMITED to 100 sq. in. in 60-90 minute door vision panels per Table 716.5. To exceed 100 sq. in., fire resistive glazing must be used.
Pyran Star, L, F, Crystal, Platinum, F and L	100 sq. in. in 180 minute temperature rise doors.	LIMITED to 100 sq. in. in 180 minute door vision panels per Table 716.5.

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The information shown here is based on the manufacturer's published listings. Please check with the individual manufacturer for the latest information.