



KCMZ.R39039 Fire-protection-rated Glazing Materials

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MADINA GLASS INDUSTRIES

R39039

Industrial Area 11
P.O. Box 3543
Sharjah, UNITED ARAB EMIRATES

Fire-protection-rated glazing materials

Product designation: Keralite*

Thickness: Nominal 3/16 in. or 5/16 in. (5 or 8 mm)

Glazing compound: Kerafix ceramic tape or closed cell PVC tape.

Furnace pressure: Neutral and Positive

* The Keralite family has the following options to differentiate the specific types of ceramic glass and combinations of the different types can be used in documentation, literature or brochures with the Keralite family name: R = Standard, F = Filmed, L = Laminated, Select, Obscure, Privacy, and Palette, SafeGuard: Select, Obscure, Privacy, Palette and EXT.

Rating	Application	Max Exposed Area of Glazing (sq in.)	Max Width of Exposed Glazing (in.)	Max Height of Exposed Glazing (in.)	Min Depth of Groove (in.)	Groove Width (in.)	Building Code Marking
20 min.	Door - Non Temp Rise	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-20
20 min.	Window, Transom, Sidelight	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-20, OH-20
20 min.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	9/16, 11/16	D-H-NT-20, OH-20
20 min.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	9/16, 11/16	D-H-NT-90, OH-90
3/4 hr.	Door - Non Temp Rise	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-45
3/4 hr.	Window, Transom, Sidelight	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-45, OH-45
3/4 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	9/16, 11/16	D-H-NT-45, OH-45
3/4 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	9/16, 11/16	D-H-NT-45, OH-45
1 hr.	Door - Non Temp Rise	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-60
1 hr.	Door - Temp Rise	100	10	33	5/8	5/16, 7/16	D-H-NT-60
1 hr.	Window, Transom, Sidelight	3627	46-1/2	78	5/8	5/16, 7/16	D-H-NT-60, OH-60
1 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	9/16, 11/16	D-H-NT-45, OH-45

1 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	9/16, 11/16	D-H-NT-45, OH-45
1-1/2 hr.	Door - Non Temp Rise	3534	46-1/2	76	5/8	5/16, 7/16	D-H-NT-90
1-1/2 hr.	Door - Temp Rise	100	10	33	5/8	5/16, 7/16	D-H-NT-90
1-1/2 hr.	Window, Transom, Sidelight	2736	60-1/4	76	5/8	5/16, 7/16	D-H-NT-90, OH-90
1-1/2 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	9/16, 11/16	D-H-NT-90, OH-90
1-1/2 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	9/16, 11/16	D-H-NT-90, OH-90
1-1/2 hr.	Transom, Sidelight	2736	74	76	13/16	5/16,7/16	H-NT-90
2 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	9/16, 11/16	D-H-NT-120, OH-120
2 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	9/16, 11/16	D-H-NT-120, OH-120
3 hr.	Door - Non Temp Rise and Temp Rise	100	10	33	5/8	5/16, 7/16	D-H-NT-180

Product designation: IGU*

Thickness: 9/16 in. - 1-1/8 in. (14 mm - 28 mm)

Glazing compound: Kerafix ceramic tape or closed cell PVC tape.

Furnace pressure: Neutral and Positive

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Rating	Application	Max Exposed Area of Glazing (sq in.)	Max Width of Exposed Glazing (in.)	Max Height of Exposed Glazing (in.)	Min Depth of Groove (in.)	Groove Width (in.)	Building Code Marking
20 min.	Door - Non Temp Rise	3627	46-1/2	78	5/8	Product thickness plus 1/8 in.	D-H-NT-20
20 min.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-20, OH-20
20 min.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-20, OH-20
3/4 hr.	Door - Non Temp Rise	3627	46-1/2	78	5/8	Product thickness plus 1/8 in.	D-H-NT-45
3/4 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-45, OH-45
3/4 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-45, OH-45
1 hr.	Door - Non Temp Rise	3627	46-1/2	78	5/8	Product thickness plus 1/8 in.	D-H-NT-60
1 hr.	Door - Temp Rise	100	10	33	5/8	Product thickness plus 1/8 in.	D-H-NT-60
1 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-60, OH-60
1 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-60, OH-60
1-1/2 hr.	Door - Non Temp Rise	3534	46-1/2	76	5/8	Product thickness plus 1/8 in.	D-H-NT-90

1-1/2 hr.	Door - Temp Rise	100	10	33	5/8	Product thickness plus 1/8 in.	D-H-NT-90
1-1/2 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-90, OH-90
1-1/2 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-90, OH-90
1-1/2 hr.	Transom, Sidelight	2736	74	76	13/16	Product thickness plus 1/8 in.	H-NT-90
2 hr.	Window, Transom, Sidelight	4500	95-3/8	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-120, OH-120
2 hr.	Window, Transom, Sidelight	4515	47-1/4	95-9/16	5/8	Product thickness plus 1/8 in.	D-H-NT-120, OH-120
3 hr.	Door - Non Temp Rise and Temp Rise	100	10	33	5/8	Product thickness plus 1/8 in.	D-H-NT-180

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