

MAKROLON[®] HYGARD MS1250 Sheet

Level 6 Security Glazing

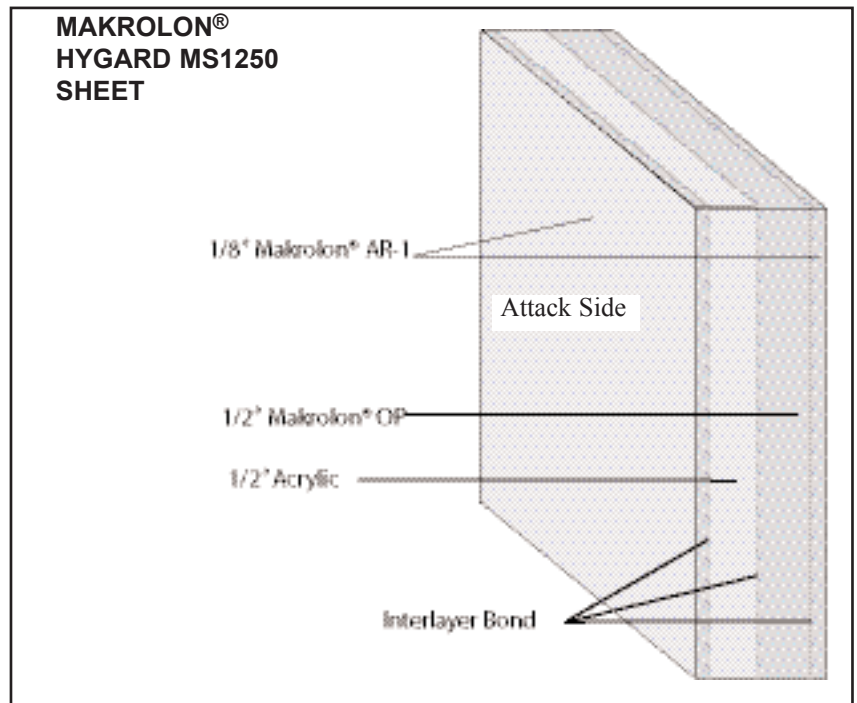
Makrolon Hygard MS 1250 sheet is a four ply laminate designed for use in glazing applications that require level 6 rating of UL752. Structured of polycarbonate and acrylic sheets the laminate features enhanced levels of UV stability and abrasion resistance.

MAKROLON HYGARD MS1250 sheet is protected on both sides with an abrasion resistant and UV resistant coating for extended service life in harsh environments.

Applications

MAKROLON HYGARD MS1250 sheet is used as bullet-resistant glazing in a wide variety of high level security applications. Installations include government and detention facilities, banks, heavy equipment glazing, specialty retailers, 24 hour convenience stores, as well as other cash transaction areas.

Gauge/Tolerance	1.30 in +/- 5%
Weight	8.1 lbs / sq ft
Shading Coefficient	.98
Light Transmittance	75%
Sheet Size	Standard: 48" x 96"



Ballistics Rating

UL Level 6 Multiple shots from a sub-machine gun, such as a 9mm Uzi, with muzzle energy 540 – 653 foot-pounds.

Supplementary Shotgun

A supplementary UL test using a rifled lead slug with a muzzle energy of 2438 – 2950 foot-pounds (3306 – 4000 J) and 00 lead buckshot with a muzzle energy of 2078 – 2415 foot-pounds (2818 – 3275 J), fired from a 12-gauge shotgun.

Product Data

MAKROLON® HYGARD MS1250 Sheet

Glazing Information

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected HYGARD Laminate are recommended.
- MAKROLON HYGARD MS1250 must be installed with acrylic ply facing the ballastic attack side.
- HYGARD laminate should be cut to allow for a minimum of one (1) inch edge engagement in the frame, with sufficient rabbet depth for material expansion (approx. 1/16"/ft.).
- Use wet or dry sealants/gaskets that are compatible with polycarbonate.
- Remove protective masking after glazing operations are completed and before prolonged exposure to direct sunlight, moisture, or high temperature.

Product Specification

MAKROLON HYGARD MS1250 polycarbonate and acrylic laminate:

Four ply, clear MAKROLON polycarbonate sheet constructed as follows:

- 1/8" MAKROLON® AR-1 abrasion resistant surface
- Polyurethane bonding interlayer
- 1/2" MAKROLON® polycarbonate sheet
- Polyurethane bonding interlayer
- 1/2" acrylic sheet
- Polyurethane bonding interlayer
- 1/8" MAKROLON AR-1 abrasion resistant surface

Disclaimer

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