

## GLASS-CLAD POLYCARBONATE 1-1/4" HEAT STRENGTHENED (LEVEL 3)

PART#: GCP-1250-LS-HS\_L3

PRODUCT LINE: GLAZING

### DESCRIPTION

GCP or Glass-Clad-Polycarbonate Low Spall is a series of glass units that are laminated together, bonded with either poly-urethane or polyvinyl butyral layers. A layer of polycarbonate is then added to the Witness Side, often called the Secure Side of the make-up to ensure a projectile meeting the rating of the glazing unit is captured with no penetration. The polycarbonate layer is then capped with a glass layer in order to provide an all glass look. With the added layer of glass, spall (glass particals emitted) will occur when shot, but the spall spread is tested to be at a minimum, causing no physical harm. Heat strengthened glass can be used in this make-up. Heat Strengthened glazing is the middle hardness between annealed and tempered glass. If the glazing requires holes, the glass cannot be heat strengthened, unless the glass is being used for the TSS All-Glass-Doors.

### OPTIONS

- Reflective Glass
- One-Way Mirror
- Translucent White Interlayer (Frosted Layer)
- Tint (Gray, Bronze, Green, & Blue)
- Insulating Units
- Low E

More to choose from – Please inquire, as the size and thickness may not be available for every option.

### RATINGS

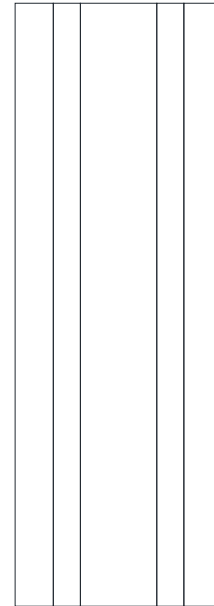
- H.P. White TP-0500.02 Level III - Forced Entry
- U.L. Level 3 – .44 Mag (Low Spall)
- WMFL Level I – .44 Mag & 60 Min Physical Attack
- H.P. White Level C Ballistics - 44 Mag (Low Spall)

### STANDARDS

- NSI Z971-1984 Safety Glazing Materials for Building
- ASTM C 1036 Standard Specifications for Flat Glass
- ASTM C 1172 Standard Specificaion for Laminated Architectural Flat Glass

THREAT SIDE

SECURE SIDE



1 3 5 7 9

1. 1/4" Glass (Heat Strengthened Optional)
  2. 0.05 Urethane
  3. 1/8" Polycarbonate
  4. 0.025 Urethane
  5. 3/8 Polycarbonate
  6. 0.025 Urethane
  7. 1/8" Polycarbonate
  8. 0.05 Urethane
  9. 1/4" Glass (Heat Strengthened Optional)
- For any Tint, One-Way Mirror, Low E, or Reflecting Glass, 1/4" glass panel must be used. For this make-up, Tint, Low E, or Mirror Pane can be applied to Layer 1 and 9.

### PROPERTIES & SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Protection            | U.L. Level 3 - .44 Mag                         |
| Ballistic Data        | Velocity 1: 1350 ft/s<br>Velocity 2: 1485 ft/s |
| Light Transmission    | 79%  |
| Nominal Thickness     | 1.22   |
| Weight                | 10.5 lbs/sqft                                  |
| Dimensional Tolerance | ASTM C 1349                                    |