

ALLIED PROTECTIVE GLAZING LLC

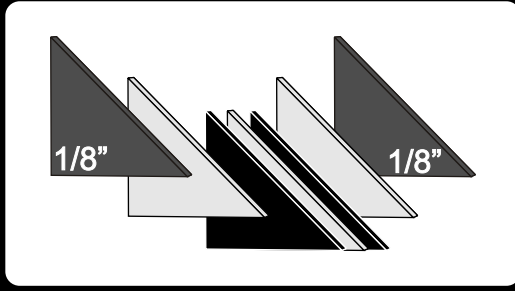
A Member of the LTI Group

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CONTAINMENT GRADE SYMMETRICAL LAMINATE

PRODUCT DETAILS*


Glass
Adhesive
CG375



PART NUMBER	SMARTGARD GCPHG1116
SPALL TYPE	LOW-SPALL
WEIGHT	5.80 Lb/SqFt
THICKNESS	0.729 in
MAX SIZE	60 X 96 in
SMARTGLASS OPTION AVAIL	YES

*Represents typical properties, not intended for specification

TESTING PROTOCOLS

STANDARD USED	RESULT
HPW -T.P 0500.03 Level II Forced Entry	PASSED
HPW -T.P 0500.03 Ballistics .38 Special/9mm	PASSED / NO PENETRATION / LOW-SPALL
ASTM F1233	CLASS III STEP 12
ASTM F1915	GRADE 3

DESCRIPTION

A symmetrical composite of two 1/8" clear or tinted glass outer lites, clear adhesive interlayer's, and a high quality MAKROLON® HYGARD CG375 laminated polycarbonate core. All LTI security products are custom manufactured to be utilized in secure environments where consistent quality and optimum optical clarity are priorities.

MAKROLON® HYGARD CG375 sheet is a two ply laminated polycarbonate constructed with two 3/16" layers of MAKROLON® polycarbonate sheet bonded by an adhesive interlayer. MAKROLON® HYGARD CG375 sheet satisfies the requirements of ASTM F1915-Grade 3.

Available glass options: float, annealed, heat strengthened, tempered, low E, reflective, and wire. If you have a need for modification or customization to this composite please contact us at (413) 637-5001. Please note that modifications utilizing some types of glass or increasing the gauge of the glass will increase the overall thickness and weight of this product.

STANDARDS

ASTM C 1036-91 for float glass
ASTM C 1349 for laminate quality
ASTM C1048 - Standard Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated and Uncoated Glass.
ANSI Z97.1, CPSC 16 CFR 1201 Cat I & 2 for Impact

GLAZING INFORMATION

The LTI Group strongly suggests the use of a suitable structural security framing with an appropriate protection rating.

A minimum framing engagement of one (1) inch is recommended, (Larger lites may require deeper engagements.)

It is imperative to the life and durability of certain composite types that compatible sealant or gasket material is used on both sides of the laminate. An appropriate sealant solution can be specified by LTI if required.

The LTI Group produces the finest glass and composite laminates in the world, proper care during installation will ensure years of superior performance.

Allied Protective Glazing LLC and/or Sheffield Plastics Inc. will not be responsible for the use of this information relative to actual application. Users must make their own determination of its suitability for their specific application. No warranty is made for the fitness of any product, and nothing herein waives any of the seller's conditions of sale.



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14 Federico Drive Pittisfield, MA 01201 +1 413.637.5001 FX: +1 413.637.5004