	Dorchester School District Two Third Addendum	Solicitation Number: Date: Procurement Official: Phone: E-Mail Address:	2425-006 10/17/2024 April Courtney 843.873.2901 apcourtney@dorchester2.k12.sc.us
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Storefronts and Glass Replacement and Door and Window Repairs

AMENDMENTS TO SOLICITATION: (a) The Solicitation may be amended at any time prior to opening. All actual and prospective Offerors should monitor the following website for the issuance of Amendments: Solicitation Postings. (b) Bidders shall acknowledge receipt of any Amendment to this solicitation (1) by signing and returning the Amendment, (2) by letter, or (3) by submitting a bid that indicates in some way that the bidder received the Amendment.

QUESTIONS AND ANSWERS

The answers are provided for the questions submitted to date:

1. Are there any drawings to go along with this? Or a specific list of scope?
ANSWER: The drawing for Flowertown Elementary School can be found in the First Addendum and the scope of work is listed in the solicitation.

2. Are other locations similar to the drawings in addendum one?
ANSWER: The solicitation states that the initial project will be Flowertown Elementary with other school storefronts to follow once the contract has been awarded. The other storefronts will be similar to the initial project.

3. Does this need ballistic glass or tempered? Also, is this exterior or interior?
ANSWER: The storefront needs to be ballistic grade. Attachment E, enclosed below, is an approved product for use in this project. Bidder's may submit a bid based on an alternate product that meets or exceeds the product in Attachment E. All Bidders must clearly demonstrate that their bid product meets or exceeds the product in Attachment E by submitting product specifications, cut sheets, and warranty information along with their bids. The District will be the sole judge as to whether alternate products meet or exceed the product in Attachment E and is not obligated to research beyond the information submitted with your bid to make this determination.

4. Are there any architectural plans for this project?
ANSWER: No.

Attachment E

HYGARD® CG375 POLYCARBONATE SHEET

CONTAINMENT GRADE

Hygard CG375 containment grade sheet is a 0.375", 2-ply polycarbonate laminate that is tested to ASTM F 1915, ASTM F 1233 and H.P. White TP 0500. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeated high force impacts, an advantage in maintaining visibility of a threat during an attack. All Hygard products incorporate TUFFAK polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary TUFFAK AR hardcoat that facilitates cleaning and resists marring, chemical attack, and graffiti. Hygard CG375 sheet has a seven (7) year Limited Product Warranty against coating failure, delamination, yellowing, and hazing. The terms of the warranty are available upon request.

APPLICATIONS

Jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing centers or facilities

DIN EN ISO 23125 2015-04		
Machine Tools - Safety - Turning Machines		
		Class
HYGARD CG375	9.6 mm	C ₁
HYGARD CG500	13.2 mm	C ₃
HYGARD CG750	19.5 mm	C ₃

TYPICAL PROPERTIES*	
Property	Values
Gauge / Tolerance	0.390 In ± 5%
Weight	2.4 lbs / sq ft
Shading Coefficient	0.92
U-Value	0.84
Light Transmission	88%

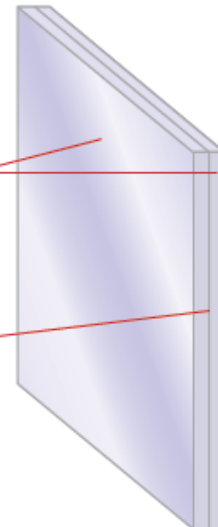
*Typical properties are not intended for specification purposes

PRODUCT PERFORMANCE RATINGS	
BALLISTIC	
H.P. White TP 0500.03, Level A	
ASTM F 1233, Class HG1 .38 Special LRN	
FORCED ENTRY & CONTAINMENT	
ASTM F 1233 Class 1.5 Contraband Passage	
ASTM F 1233 Class 2.8 Body Passage	
ASTM F 1915 Grade 3	
H.P. White TP 0500 Level 1 Sequence 15	
WMFL Level III	
AGENCY INFORMATION	
Combustibility Class CCI	
Florida Building Code 2017	
2018 International Building Code (ICC ESR 2728)	
Miami-Dade NOA: NOA	

Hygard CG375 Sheet Construction

3/16" TUFFAK AR-1 sheet

Bonding Interlayer



HYGARD CG375 POLYCARBONATE SHEET

Glazing recommendations

- » Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected Hygard laminate are recommended
- » 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
- » See glazing details on sheets.covestro.com

Product specification

Hygard CG375 polycarbonate laminate:

- » Two-ply, clear TUFFAK polycarbonate sheet constructed as follows:
 - 3/16" TUFFAK AR-1 abrasion resistant surface
 - Polyurethane bonding interlayer
 - 3/16" TUFFAK AR-1 abrasion resistant surface

Compatible cleaners

The following cleaning agents are compatible with TUFFAK polycarbonate sheet products when used according to the manufacturer's recommendations:

- » Top Job
- » Joy®
- » Palmolive Liquid®
- » Windex® Ammonia free

Top Job and Joy are registered trademarks of Proctor & Gamble, Palmolive is a registered trademark of Colgate Palmolive, Windex is a registered trademark of Dracett Products

General cleaning instructions:

- » Thoroughly pre-rinse with warm water to loosen and wash away surface residue, grit and grime.
- » Using a soft microfiber cloth or moist non-abrasive sponge, gently wash with a mild diluted soap or detergent.
- » Rinse thoroughly with lukewarm, clean water. To prevent water spots, thoroughly dry the glazing with a dry soft cloth.

TECH TIP:

The edges of coated polycarbonate sheet are not protected with an abrasion and chemical resistant hard coating. Do not allow cleaning solutions and solvents to pool along the edges for any length of time. Always rinse edges thoroughly with generous amounts of lukewarm clean water.