Section 10430
Exterior Signage
Novacryl EX Series Photopolymer

Display hidden notes to specifier. (Don't know how? Click Here)

NOTE TO SPECIFIER **
This section is based on the products manufactured Nova Polymers, Inc., which is located at:

8 Evans St. Suite 201
Fairfield, NJ 07004 USA
Tel: (888) 484-6682
Tel: (973) 882-7890
Fax: (973) 882-5614
Email: info@novapolymers.com
Website: www.NovaPolymers.com

Nova Polymers, Inc. (NPI) is the manufacturer and distributor of all Novacryl Series Photopolymer substrates. All Novacryl products are manufactured by NPI in the United States and are distributed around the world from multiple locations in the US, Canada, Europe, The Middle East and Australia.

PART 1 GENERAL

1.1 SECTION INCLUDES

**** NOTE TO SPECIFIER ** Remove items below not required for project.**

A. Room Identification.

B. Stairs.

C. Restroom.

D. Elevator Lobby.

E. Informational Signage.

F. Directory Signage.

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER ** Remove any sections below not relevant to this project; add others as required.**

A. Section 10430 – Exterior Signage

1.3 REFERENCES

A. ANSI 117.1 – For Buildings and Facilities

B. ASTM International (ASTM) D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.

C. ASTM International (ASTM) E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

D. ASTM International (ASTM) D1929 - Standard Test Method for Determining Ignition Temperature of Plastics.

E. Underwriters Laboratories (UL) 94 - Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.

F. Underwriters Laboratories (UL) 723 - Standard for Test for Surface Burning Characteristics of Building Materials.

1.4 PERFORMANCE REQUIREMENTS

A. Provide photopolymer signage that conforms to the requirements of all regulatory agencies holding jurisdiction.

**** NOTE TO SPECIFIER ** Remove the next paragraph if ADA conformance is not required.**

B. Requirements:
1. Comply with all applicable provisions of the 2010 ADA Standard for Accessible Design.
2. Character Proportion: Letters and numbers on signs must have a width-to-height ratio between 3:5 and 1:1 and a stroke width-to-height ratio between 1:5 and 1:10.
3. Color Contrast: Characters and symbols must contrast with their background - either light characters on a dark background or dark characters on a light background.
4. Raised Characters or Symbols: Letters and numbers on signs must be raised 1/32 in (0.8 mm) minimum and be sans serif characters. Raised characters or symbols must be at least 5/8 in (16 mm) high but no higher

than 2 in (50 mm). Symbols or pictograms on signs must be raised 1/32 in (0.8 mm) minimum.

5. Symbols of Accessibility: Accessible facilities required to be identified must use the international symbol of accessibility.
6. Braille: Grade II with accompanying text.

1.5 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: Detail drawings showing sizes, lettering and graphics, construction details of each type of sign and mounting details with appropriate fasteners for specific project substrates.

**** NOTE TO SPECIFIER **** Remove selection samples if colors already have been selected.**

D. Selection Samples: For each finish product specified, two sets of color sheets representing manufacturer's full range of available colors and patterns.

E. Verification Samples: For each sign type and color specified, two samples, minimum size 6 in (150 mm) square, representing actual product, color and patterns.

F. Manufacturer's Installation Instructions: Printed installation instructions for each signage system.

G. Message List: Signage report indicating signage location, text and sign type.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in unopened factory packaging.

B. Inspect materials at delivery to verify there are no defects or damage.

C. Store products in manufacturer's original packaging until ready for installation in climate controlled location away from direct sunlight.

D. Store and dispose of solvent-based materials, and materials used with solvent-based materials in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

A. Install products in an interior climate controlled environment.

B. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Nova Polymers, Inc., which is located at: 8 Evans St. Suite 201; Fairfield, NJ 07004; Toll Free Tel: 888-484-NOVA (6682); Email: request info (info@novapolymers.com); Web: www.novapolymers.com

**** NOTE TO SPECIFIER ** Listing of acceptable fabricators using the Nova Polymers products. Delete fabricators not required.**

1. Acceptable Fabricator: Ability Plastics, 8721 Industrial Drive, Justice, Illinois 60458. Phone: (800) 323-2722. Email: sales@abilityplastics.com Web: www.abilityplastics.com.
2. Acceptable Fabricator: Acorn Sign Graphics, PO Box 11664, Richmond, Virginia 23230. Phone: (804) 726-6999. Email: info@acornsign.com. Web: www.acornsign.com.
3. Acceptable Fabricator: Acumen Visual Group, 30 Riviera Drive Markham ON Canada L3R 5M1 Phone: +1 905-947-0770 Web: www.ideasbuilt.ca.
4. Acceptable Fabricator: AGS, 302 Commerce Drive, Exton, PA 19341. Phone: (610) 363-8150. Email: info@agsinfo.com. Web: www.agsinfo.com.
5. Acceptable Fabricator: Advanced Signing LLC, 4 Industrial Park Road, Medway, MA 02053. Phone: (508) 533-9000 ext. 3026. Email: gpiper@advancedsigning.com. Web: www.advancedsigning.com.
6. Acceptable Fabricator: APCO Graphics, Inc., 388 Grant St. SE, Atlanta, GA 30312. Phone (800) 215-4039. Web: www.apcographics.com
7. Acceptable Fabricator: ASI CT - East Berlin, CT, 100 Clark Dr., East Berlin, CT. Phone: (860) 828-3331. Web: http://asisignage.com/ASIHartford/tabid/211/Default.aspx.
8. Acceptable Fabricator: ASI, Dallas - Dallas, TX, 8181 Jetstar Drive, Suite 110, Irving, TX 75063. Phone:(972) 915-3800. Web: http://www.asisignage.com/ASIDallas/tabid/243/Default.aspx.
9. Acceptable Fabricator: ASI, Iowa - Grinnell, IA, 1219 Zimmerman Dr., Grinnell, IA 50112. Phone: (641) 236-6616. Web: www.asisignage.com/ASIIowa/tabid/239/Default.aspx.
10. Acceptable Fabricator: ASI, New Orleans, 1101 24th St., Kenner, LA 70062. Phone: (504) 704-1000. Web: www.asisignage.com/ASINewOrleans/tabid/236/Default.aspx.
11. Acceptable Fabricator: Bell Company, 106 Morrow Ave., Trussville, AL 35173-0092. Phone: (800) 828-3564. Email: sales@bellcoinc.com. Web: www.braillebybell.com.

12. Acceptable Fabricator: Boyd Sign Systems, 3901 S Kalamath St, Englewood, CO 80110. Phone: (800) 333-3190. Email: signs@boydsignsystems.com. Web: www.boydsignsystems.com.
13. Acceptable Fabricator: Cab Signs, 38 Livonia Ave, Brooklyn, NY 11212. Phone: (800) 394-1690. Email: sales@cab-signs.com. Web: www.cab-signs.com.
14. Acceptable Fabricator: Cadwell Signs, 4 Kuniholm Drive, Holliston, MA 01746. Phone: (508) 429-3100. Web: www.cadwellsigns.com.
15. Acceptable Fabricator: Creative Sign Designs, 12801 Commodity Place, Tampa, FL 33626 Phone: (800) 804-4809. Email: sales@creativesigndesigns.com. Web: www.creativesigndesigns.com.
16. Acceptable Fabricator: Dixie Graphics, 636 Grassmere Park, Nashville TN 37211 Phone: 615-832-7000 Email: info@dixiegraphics.com. Web: www.dixiegraphics.com.
17. Acceptable Fabricator: Eye Candy Signs, 2705 Agricola St, Halifax Nova Scotia, Canada B3k 4C7. Phone: (902) 429-8281. Email: contact@eyecandysigns.ca. Web: www.eyecandysigns.ca.
18. Acceptable Fabricator: Graphic Components, 3125 Spring Garden St, Greensboro, NC 27407. Phone: (336) 542-2128. Email: vince@graphiccomponents.com. Web: www.graphiccomponents.com.
19. Acceptable Fabricator: GraphTec, Inc., 8411 Rannie Road, Houston, TX 77080. Phone: (713) 690-9999. Email: blake@graphtecinc.com. Web: www.graphtecinc.com.
20. Acceptable Fabricator: InPro Corporation, S80 W18766 Apollo Drive, Muskego, WI 53150. Phone: (800) 222-5556. Email: mbudnik@inprocorp.com. Web: www.inprocorp.com.
21. Acceptable Fabricator: JRT Industries, 36 Tanderra Drive, Sharon, QLD 4670 Australia. Phone: (07) 41577003. Email: info@jrtindustries.com.au. Web: www.jrtindustries.com.au.
22. Acceptable Fabricator: Kroy Sign Systems, 7575 E Redfield Rd, Suite 113, Scottsdale, AZ 85260. Phone: (800) 950-5769. Email: signs@kroysignsystems.com. Web: www.kroysignsystems.com.
23. Acceptable Fabricator: The Look Company Middle East, 125 Al Waab Street, Doha, Qatar. Phone: +974 4447 5865 Email: sales@thelookcompany.com. Web: www.thelookcompany.com.
24. Acceptable Fabricator: Marvel Sign and Display, Inc., 99 Rodinea Road, Unit 1, Vaughan, Ontario L6A 1R3, Canada. Phone: (905) 856-6920 Email: alan@marvelsigns.ca. Web: www.marvelsigns.ca.
25. Acceptable Fabricator: Neiman & Company, 6842 Valjean Ave., Van Nuys, CA 91406. Phone: (818) 781-8600. Email: signs@neimanandco.com. Web: www.neimanandcompany.com.
26. Acceptable Fabricator: Nova Polymers, 15348 U.S. Rt. 127 EW, Bryan, OH 43506. Phone: (888) 484-6682. Email: info@novapolymers.com. Web: www.novapolymers.com.
27. Acceptable Fabricator: Park Place Sign Systems, Inc., 2019 30th Street,

Hannibal, MO 63401. Phone: (573) 221-1360. Email: sales@parkplacesign.com. Web: www.parkplacesign.com.

28. Acceptable Fabricator: Poblocki Sign Company LLC, 922 S 70th St., Milwaukee, WI 53214. Phone: (414) 453-4010. Web: www.poblocki.com
29. Acceptable Fabricator: Sign Pro, 60 Westfield Dr, Plantsville, CT 96479. Phone: (860) 229-1812. Email: pete@signpro-usa.com. Web: www.signpro-usa.com.
30. Acceptable Fabricator: Spring Moon Signs, 105 Venetian Blvd, St. Augustine, FL 32095. Phone: (888) 526-6205. Email: smsd1969@gmail.com. Web: www.springmoonsigns.com.
31. Acceptable Fabricator: Tube Art Group, 11715 SE 5th Street, Bellevue, WA 98005. Phone: (206) 223-1122 Email: mwoods@tubeart.com. Web: www.tubeart.com.
32. Acceptable Fabricator: Welch Signs, 7 Lincoln Ave., Scarborough, ME 04074. Phone: (800) 635-3506. Web: www.welchusa.com.
33. Acceptable Fabricator: WSI Sign System Ltd. & KING Architectural Products, 31 Simpson Road, Bolton - Ontario L7E 2R6. Phone: (905) 857-2804. Web: www.king-ap.com.

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 SIGNAGE – GENERAL

**** NOTE TO SPECIFIER ** Remove products from the list below that are not required. The material in this specification is photopolymer manufactured by Nova Polymers, Inc.**

A. It is the intent of these specifications to establish a sign standard for the Owner including but not limited to, wall-mounted directional signs, primary room identification, restrooms, conference rooms and all code compliant Braille signage.

B. Comply with all applicable provisions of the 2010 ADA Standard for Accessible Design codes that apply to the State and Local jurisdiction of the project.

C. If required text and graphics are not indicated in specification or on drawings, obtain Owner's instructions as to text and graphics prior to preparation of shop drawings.

D. Typography: See Drawings. Copy shall be a clean and accurate reproduction of typeface(s) specified. Upper and lower case and all caps as indicated in Sign Type drawings and Signage Schedule. Letter spacing to be set by manufacturer.

E. Arrows, symbols and pictograms will be provided in style, sizes, colors and spacing as indicated in drawings for each sign system.

**** NOTE TO SPECIFIER ** Remove all but one of the following. Grade 2 Braille is the standard in the US with the exception of California. California Braille is Grade 2 Braille with different Braille cell spacing to meet California's codes under Title 24. Grade 1 Braille is used in Canada, the Middle East and throughout the world.**

F. Braille
1. Grade 1 Braille
2. Grade 2 Braille
3. California Braille

G. Design

**** NOTE TO SPECIFIER ** Remove all but one of the following four placements. If more than one is required, indicate clearly where each will be applied.**

1. Text/Graphics Placement: Right justified.
2. Text/Graphics Placement: Centered.
3. Text/Graphics Placement: Left justified.
4. Text/Graphics Placement: As indicated on contract drawings.

**** NOTE TO SPECIFIER ** Remove all but one of the following 11 font options. If more than one is required, indicate clearly where each will be applied. Refer to the 2010 Standard of Accessible design for font thickness, stroke ratio and character spacing which is a minimum of 1/8".**

5. Font: As indicated on the Contract Drawings.
6. Font: Arial.
7. Font: Avenir.
8. Font: Charlotte Sans Book.
9. Font: Futura.
10. Font: Gill Sans.
11. Font: Helvetica Regular.
12. Font: Helvetica Bold.
13. Font: Optima.
14. Font: Stone Sans Serif.
15. Font: Univers Condensed.
16. Font: _____

2.3 MATERIALS

**** NOTE TO SPECIFIER ** Remove products from the list below that are not required. All Novacryl EX Photopolymer substrates are rated for exterior use. An aluminum base backs Novacryl EX Series Photopolymer. Novacryl EX Photopolymer resin has a blend of synthetic rubber monomers with a 0 percent swell rate. All Novacryl EX materials must have a topcoat of acrylic polyurethane to ensure protection from cleaning agents, UV and moisture. Novacryl is fire rated for use in applications where fire hazard classification is required.**

A. Panel Material: Novacryl EX Series Photopolymer
   1. Composition: 0.032 inch (0.8 mm) thick exterior-grade photopolymer resin bonded to 0.016 inch (0.4 mm) thick aluminum alloy base.
   2. Base thickness: 0.016 inch (0.4 mm) thick brushed aluminum alloy base.

**** NOTE TO SPECIFIER **** Insert color. Delete color provision not required.**

   3. Type and Color: To be selected from manufacturer's full color range by Architect.
   4. Size: ____

PART 1 EXECUTION

1.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

1.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

1.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

1.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION