

## **Adhesives**

A Guide to Resources

Compiled by The Rakow Research Library

The Corning Museum of Glass

"Adhesive Recovers Mosaic."

Adhesives Age, v. 15, no. 10, October 1972, pp. 26-27.

<VF: Adhesives>

ASTM International. ASTM standards and technical articles relating to structural glazing, 2<sup>nd</sup> ed., West Conshohocken, PA, 2012. 778 p., ill.

<Stacks: TH8251.A85s 2012>

Bray, Charles. Ceramic and glass: a basic technology. Sheffield: Society of Glass Technology, 2000.

Note: "Adhesives," pp.186-192.

<Ref: TP857.B82; Microforms: F-17791>

Bray, Charles. Dictionary of glass: materials and techniques. 2<sup>nd</sup> ed. London: A & C Black; Philadelphia: University of Pennsylvania Press, 2001.

<Ref: TP788.B82 2001; Microforms: F-18446>

Cold fusion. Seto, Japan : Prefectural Aichi Museum of Ceramics, 1998. [26] pp.

Notes: Exhibition held in 1998 at the Aichi Prefectural Museum of Ceramics, Seto, Japan, featuring glass works by nineteen artists, most utilizing adhesives.

"Adhesives and glass: what to use and where" by Renato Foti.

<Stacks: NK5198.C68; Microforms: F-18074>

Crafts Council (Great Britain). Adhesives and coatings. London: Crafts Council, 1983.

<Stacks: N8560.C885 v.3; Microforms: F-17623>

Crafts Council (Great Britain). Adhesives and coatings. London; New York: Conservation Unit of the Museums & Galleries Commission in conjunction with Routledge, 1992.

Note: Consult index for specific references to glass.

<Stacks: N8560.C885 v.3 1992>

Dobbins, Norm. "How a Red and Green BAT Can Help You Etch Glass!"

A&E, v. 14, no. 6, Aug. 2001, pp. 52-53, ill.

Note: Non-liquid adhesive to adhere photo resist to a substrate for blast etching.

Down, Jane L. "Epoxy resin adhesives: report on shear strength retention on glass substrates"  
Journal of the Canadian Association for Conservation, v. 21, 1996, p. 28-35

VF: Adhesives

Down, Jane. L. Adhesive compendium for conservation. Ottawa, Ontario: Canadian Conservation Institute, 2015, 256 p., ill.

<Stacks: TP968.D69 2015z>

Foti, Renato. "Adhesives & Glass: What to Use and Where."  
Glass Craftsman, no. 154, June/July 1999, p. 19+.  
<Periodicals: PER TT298.G545>

Foti, Renato. "Adhesives and Glass: What to Use and When?"  
Glass Art Society Journal, 1998, pp. 72-73.  
<Periodicals: PER NK5110.G23j>

Foti, Renato. "Adhesives and Glass: What to Use and Where."  
Glass Gazette, Spring 1997, p. 13.

Foti, Renato. "Incorporating Adhesives with Mixed Media Glass Art."  
Glass Gazette, Fall 1994, pp. 9-10.  
<Periodicals: PER NK5113.C76>

Gaillard, Claire. "Les Colles de l'art."  
Verre, v. 8, no. 1, March 2002, pp. 37-39. Note: English summary, p. 37.

Gould, Kira. "Veiled Illusions."  
Architecture, v. 87, no. 9, Sept. 1998, pp. 124-129.  
Note: Adhesive polymer film-coated glass used in New York boutique becomes translucent green when viewed at an angle.

Halem, Henry. Glass notes: a reference for the glass artist. Kent, OH: Halem Studios, 1996.  
Note: "Glass Adhesive Information": pp. 84-87.  
<Stacks: TP859.H16 1996; Microforms: F-15930>

Harvey, Kathleen S. "Adhesion: Química del vidrio = Chemical bonding of glass."  
Vidrio, no. 4, April-June 2000, pp. 5-9.  
Note: Includes tips on choosing an adhesive. In Spanish and English.

"Hot Glass: Glass Adhesives Better Than Ever."  
Glass Art Magazine, v. 3, no. 2, Jan./Feb. 1988, pp. 27-28.  
<Periodicals: PER TP859.G54>

Hutter, Sidney. "Making art using ultraviolet adhesives and plate glass." Glass Art Society Journal (2012), pp. 75-76, ill.  
<Periodicals: PER NK5110.G23j>

"HXTAL Epoxy Adhesive."  
The CM Times, [n.d., u.p., 5 pp.]  
<VF: Adhesives>

Koob, Stephen. "Ceramics and glass." In: Down, Jane L. Adhesive compendium for conservation. Ottawa, Ontario: Canadian Conservation Institute, 2015.  
<Stacks TP968.D69 2015z>

Kuhn, Jon. "Using Glass Adhesives and Industrial Technology to Pursue Artistic Glass."  
The Glass Art Society Journal, 1992, pp. 94-95, ill.

Lehman, Richard L. "Chapter 12: Materials: Adhesives." In The CRC handbook of mechanical engineering, edited by Kreith and Goswami. CRC Press, 2<sup>nd</sup> edition, 2004.

Not in Rakow Library

Lewis, Benn H. "Adhesives for Mounting Enamels." Glass on Metal, v. 11, no. 3, June 1992, p. 53+.

<Periodicals: PER NK4997.G54>

Melby, Rick. "Sun-Set Glass Adhesive: Road Test." Professional Stained Glass, v. 7, no. 6, July/August 1987, pp. 51-55.

Pincus, Alexis George. Joining in the glass industry. New York: Ashlee Publishing Co., 1984.

<Stacks: TP859.P64; Microforms: F-10533>

Rogers, Sally. "Epoxies & Adhesives: Alternatives to Slumping and Fusing." Glass Studio, no. 43, April 1984, pp. 5-7+.

<Periodicals PER TT298.G57>

Rosol, Martin. Color Gluing with HYXTAL. The author, no date.

Note: Given to his class at The Studio, 2003.

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Russell, Karen. "Simple tips for mosaics: Selecting the right supplies for the project." Mosaics, a Glass Craftsman Special Feature (Supplement to Glass Craftsman, no. 189, April/May 2005), April/May 2005, pp. 5-8, ill.

<Periodicals: PER TT298.G545.

Skeist, Irving. Handbook of adhesives. New York: Reinhold Pub. Co., [1962].

<Secured stacks: TP968.S62>

Townsend, Milon. "Coldworking Glass: Part VI. Ultraviolet Adhesives."

Glass Art, v. 20, no. 2, Jan./Feb. 2005, pp. 58-61, ill.

<Periodicals: PER TP859.G43>

Townsend, Milon. "Coldworking Glass: Part VI. Ultraviolet Adhesives, Continued."

Glass Art, v. 20, no. 3, March/April 2005, pp. 16-19, ill.

<Periodicals: PER TP859.G43>

Young, Tammy. The crafter's guide to glues. Radnor, Pa.: Chilton Book Co., 1995.

Note: Glass adhesives: p. 78-80.

<Stacks: TT153.7.Y77>

*Conservation (this information is also useful for studio artists):*

Adhesives and consolidants for ceramics & related materials. [London: United Kingdom Institute for Conservation of Historic and Artistic Works, 1997]. [53] leaves.

Note: Transcripts of lectures given at the Ceramics and Glass Conservation Group Conference on October 25, 1997, at the Regents Park Conference Centre.

<Stacks: N8554.5.A23>

Allen, Geoff. "A Preliminary Investigation into the Effect of Self-Adhesive Ultraviolet-Absorbing Films on Window Glass." International Council of Museums. Committee for Conservation. 12th triennial meeting. London: James & James, 1999. pp. 757-763.

<Stacks: N8560.I59 1999>

Augustin-Jeutter, Michaela. "Ceramics and Glass Section: Metal Bridge Method." Conservation News, no. 62, March 1997, pp. 34-35.

Note: Technique used to hold fragments in place while applying adhesive.

Bettembourg, Jean-Marie. "Effect of Mastics on the Behaviour of Stained Glass." Adhesives and consolidants: preprints of the contributions to the paris congress, 1984. London: International Institute for Conservation of Historic and Artistic Works, 1984, pp. 195-198.

<Stacks: N8555.I61 1984>

Bradley, S. M. "Evaluation of Hxtal NYL-1 and Loctite 350 Adhesives for Glass Conservation." Preprints of the 9th Triennial Meeting. International Council of Museums, Committee for Conservation. Los Angeles, CA: ICOM Committee for Conservation, 1990. pp. 669-674.

<Stacks: N8560.I59 1990>

Brain, Colin. "Estimating the Refractive Index of Glass." Conservation News, no. 35, March 1988, p. 21.

Note: Matching the refraction of the adhesive and the glass in reconstructing a piece.

Brain, Colin. "Glass Reconstruction Materials and Techniques." Glass and enamel conservation. Christine Daintith, ed. London: United Kingdom Institute for Conservation of Historic and Artistic Works of Art, 1992, pp. 15-17.

Note: Adhesives and fill materials.

<Stacks: NK5104.5.G54>

Davison, Sandra. "A Review of Adhesives and Consolidants Used on Glass Antiquities." Adhesives and consolidants: preprints of the contributions to the Paris congress. London: International Institute of Conservation of Historic and Artistic Works, 1984. pp. 191-194.

<Stacks: N8555.I61 1984>

Down, Jane L. "The Yellowing of Epoxy Resin Adhesives: Report on High-Intensity Light Aging." Studies in Conservation, v. 31, no. 4, Nov. 1986, pp. 159-170.

Down, Jane L. "The Yellowing of Epoxy Resin Adhesives: Report on Natural Dark Aging." Studies in Conservation, v. 29, no. 2, May 1984, pp. 63-76.

Errett, Raymond. "Use of Silanes in Glass Conservation." Adhesives and consolidants: preprints of the contributions to the Paris conference. London: International Institute for Conservation of Historic and Artistic Works, 1984. pp. 185-190.

Note: Other glass: pp. 191-212.

<Stacks: N8555.I61 1984>

Horie, Velson. "Materials Used for Glass Conservation: Adhesives, Consolidants and Lacquers." Newton, Roy; Sandra Davison, eds. Conservation of glass. London, etc.: Butterworths, 1996. pp. 170-185.

<Stacks: NK5104.5.N56 1996; Microforms: F-16470>

International Institute for Conservation of Historic and Artistic Works. Adhesives and consolidants: preprints of the contributions to the Paris Congress. London: International Institute for Conservation of Historic and Artistic Works, 1984.

Notes: "Use of silanes in glass conservation" by Raymond F. Errett, Merrill Lynn, and Robert H. Brill: p. 185-190. Other glass: p. 191-212.

<Stacks: N8555.I61 1984>

Koob, Stephen. "Restoring High-Fired Ceramics and Glass with Paraloid B-72." Adhesives & consolidants for ceramics & related Materials. [London: United Kingdom Institute for Conservation of Historic and Artistic Works, 1997].

Note: Transcripts of Lectures Given at the Ceramics and Glass Conservation Group Meeting.

<Stacks: N8554.5.A23>

Koob, Stephen P. "The Use of Paraloid B-72 as an Adhesive: Its Application for Archaeological...." Studies in Conservation, v. 31, no. 1, Feb. 1986, pp. 7-14.

Koob, Stephen P. "Care and conservation of glass objects. Glass Art Society Journal, (2009), p. 64-65, ill.

Includes cleaning, adhesives for repair.

<Periodicals: PER NK5110.G23j>

Kuchel, Anna. "Glass Adhesives." Professional Stained Glass, v. 7, no. 10, Dec. 1987/Jan. 1988, pp. 10-12.

Restoring stained glass.

<Periodicals: PER NK5300.P96>

Messinger, John M., II; Peter T Lansbury. "Controlling the Refractive Index of Epoxy Adhesives." Journal of the American Institute for Conservation, v. 28, no. 2, Fall 1989, pp. 127-136.

Newton, Roy G. "Recent Work in England." Corpus Vitrearum Newsletter, no. 33/34, Jan. 1982, pp. 7-9.

Note: Use of silicon adhesives, protective glazing in medieval stained glass preservation

<Periodicals: PER NK5308.C82>

Robson, Maureen. "Clear, Colourless Adhesives for Glass." Conservation News, no. 30, July 1986, pp. 14-16.

<Unclassified Periodicals>

Robson, Maureen A. "Interior Displays of Restored Glass in the City Museum and Art Gallery, Birmingham." Stained Glass, the Magazine of the British Society of Master Glass-Painters, Spring 1988, p. 15.

Note: Selecting adhesives.

Shashoua, Yvonne. "A Comparison of Fynebond, Hxtal NYL-1 and Araldite 2020. Epoxy Adhesives for Use in the Conservation of Glass." Conservation News, no. 66, July 1998, pp. 33-36

Taylor, Thomas H., Jr. "In Situ Repair of Architectural Glass." Adhesives and consolidants: preprints of the contributions to the Paris congress, 1984. London: International Institute for Conservation of Historic and Artistic Works, 1984. pp. 202-204.

<Stacks: N8555.I61 1984>

Tennent, Norman H.; J.H. Townsend. "The Significance of the Refractive Index of Adhesives for Glass Repair." Adhesives and consolidants: preprints of the contributions to the Paris congress. London: International Institute of Conservation of Historic and Artistic Works, 1984. pp. 205-212.

<Stacks: N8555.I61 1984>

Van Giffen, Astrid. "Adhesives and consolidants conference." Glass & Ceramics Conservation, issue 21 (Winter 2011), p. 10-11.

<Periodicals PER NK5104.G53>

Ward, Nancy and Tammy Young. The Complete guide to glues and adhesives, Iola, WI : Krause Publications 2001, 144 p., ill.

Glass p. 57-59, 64-65, 129-131

<Stacks TT153.7.W26>

Weintraub, Steven. "Field Application of Stained Glass Conservation Techniques." Adhesives and consolidants: preprints of the contributions to the Paris congress, 1984. London: International Institute for Conservation of Historic and Artistic Works, 1984. pp. 199-201.

<Stacks: N8555.I61 1984>

### *Videos*

Flameworking with teamwork, technology and scale Milon Townsend. Producer, Marcie Davis. Hilton, NY : Blue Moon Press, 2001. 1 videocassette ( min.) (VHS).

"This video has grown out of the preparation for his presentation at the G.A.S. conference in Corning, NY in June 2001. "Teamwork" shows how he collaborates with other glass artists to create one of the 'Tidal Pool' series of paperweights. "Technology" follows one of his Body Language sculptures from beginning to completion. It shows how the waterjet, diamond grinder, abrasive blasting and ultraviolet adhesive are all brought together the serve the idea represented in the artwork. "Scale" is a brief glimpse into the setup and process involved in making a large solid flameworked piece." For intermediate and advanced skill levels. VHS. Uses exclusively or mostly hard glass, such as Glass Alchemy, Northstar and Pyrex. Commercially distributed. NOT VIEWED.

International Conferences on Environmental Glass 1990, no. 13: Adhesives for Appliqué.

ICEG, 1990. 60 min.

Notes: Panel discussion with Saara Gallin as moderator. NOT YET VIEWED

<Video>

Flameworking with teamwork, technology and scale: Milon Townsend. Produced by Marcie Davis. Hilton, NY: Blue Moon Press, 2001. DVD, VHS.

Note: "Teamwork" shows how he collaborates with other glass artists to create one of the 'Tidal Pool' series of paperweights. "Technology" follows one of his Body Language sculptures from beginning to completion. It shows how the waterjet, diamond grinder, abrasive

blasting and ultraviolet adhesive are all brought together to serve the idea represented in the artwork.

<AV collection>

*Trade catalogs*

Smooth-On (Firm), Easton PA, [2011]. 38 p., ill.

Mold making and casting equipment and supplies including adhesives.

<Secured stacks, trade catalogs: Smooth-On, number 126943>

*Website:*

Research Guide from Rakow Library, Coldworking topic, Adhesives tab  
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