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ABR GLASS DE-ETCHER, X-19 GLASS CLEANER & RESTORER and ABR GLASS SEALER PRODUCT SPECIFICATIONS

PRODUCT NAME

ABR Glass De-Etcher
X-19 Glass Cleaner & Restorer
ABR Glass Sealer

MANUFACTURER

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PRODUCT DESCRIPTION

ABR Glass De-Etcher and X-19

Basic Use: **ABR Glass De-Etcher** is a polishing compound that removes hydrofluoric acid burn stains from glass.

X-19 is recommended for use on glass surfaces that will not come clean with routine washing. **X-19** is an acidic blend of wetting agents and detergents especially formulated to restore glass surfaces.

ABR Glass De-Etcher and **X-19** remove hard water marks, stains caused by run-off from unsealed masonry, airborne pollution and acid rain haze that causes oxidation to glass.

ABR Glass Sealer

Basic Use: **ABR Glass Sealer** is a soil released polymer coating for glass, acrylic and polycarbonate windows. **ABR Glass Sealer** chemically reacts with glass imparting a film of protection

to resist abrasion and restricts soil adhesion, keeping it clean and clear. It reduces surface friction, restores clarity and reduces maintenance. Recommended for use after **ABR Glass De-Etcher** or **X-19**.

Limitations: Mirrored finishes applied on the outside of glass should not be cleaned with **X-19** or **ABR Glass De-Etcher**. **ABR Glass De-Etcher** and **X-19** are not intended for frequent maintenance use. Repeated usage will be harmful to glass surfaces. **ABR Glass Sealer** will not work effectively when sprayed. Life expectancy is approximately 2 years. **ABR Glass Sealer** is not intended for use as a *acid shield*.

Precautions: read the entire material safety data sheet and product label for a more thorough evaluation of hazards. Fully protect all adjacent surfaces, including aluminum when using **X-19**. Shrubbery which cannot be readily covered should be sprayed with water before **X-19** is applied and again afterward.

TECHNICAL DATA

ABR Glass De-Etcher

Color/Form: pink paste.

Coverage: approximately 500-800 sq. ft. per **pint** varying with the texture of the glass surface.

Packaging: pint, one and five gallon containers.

X-19 Glass Cleaner & Restorer

Color/Form: clear liquid.

pH:3.0.

Coverage: approximately 250-400 sq. ft. per gallon when used full strength.

Packaging: one, five and fifty-five gallon containers.

ABR Glass Sealer

Color/Form: clear liquid.

Coverage: approximately 200-250 sq. ft. per **7 ounce** bottle.

Packaging: available in only **7 ounce** bottles.

INSTALLATION

A test area of any **ABRP, Inc.**, glass product should be performed prior to beginning overall project to determine precise procedures necessary.

User shall determine the suitability of the product for its intended use and assumes all risk and liability whatsoever in connection therewith.

X-19 Glass Cleaner & Restorer

1. Severe scum or stains may require using **X-19** full strength. In most cases a solution of 1 part of **X-19** to 3 parts water will produce excellent results.
2. Pre-wet the glass area to be cleaned.
3. Apply **X-19** with an applicator brush or poly tank hand pump sprayer.
4. Allow **X-19** to remain on glass area 1-2 minutes or longer if necessary.
5. Rinse thoroughly with water.
5. Squeegee glass or dry with a clean cloth.

ABR Glass De-etcher

1. Apply **ABR Glass De-Etcher** to glass using a dampened buffing pad

on an electric buffer at 1500 to 1700 RPM in a circular motion.

***KEEP WET WHILE WORKING**

2. Continue buffing until **ABR Glass De-Etcher** becomes dry and disappears. Redampen glass and/or buffing pad with water and polish. Repeat process if necessary.

Note: do not attempt to do this process by hand. Proper results will not be obtained.

ABR Glass Sealer

1. Preclean surface and let dry completely.
2. Wet small folded cloth with **ABR Glass Sealer** and thoroughly wipe onto the entire glass surface using a firm, circular and overlapping motion.
3. Repeat after two minutes to insure complete coverage.
4. After haze forms, remove by polishing with a dry cloth until clear or by washing with clear water and using a squeegee to dry.

MAINTENANCE

To keep glass looking sparkling clean for months, apply **ABR Glass Sealer** after **ABR Glass De-Etcher** or **X-19** has been removed. For best results, reapply **ABR Glass Sealer** yearly.

AVAILABILITY

Available through a network of distributors, dealers and representatives established in principal cities across the United States, Canada and Japan.

NOTICE: the information and recommendations made herein are based on

ABRP, Inc., research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because **ABRP, Inc.**, cannot anticipate every possible application of **ABRP, Inc.**, products, nor anticipate every variation encountered in project surfaces, job conditions, and methods used. For this reason, purchasers shall make their own tests to determine the suitability of such products for a particular purpose. Purchasers assume all risk of use, application and handling of products. Statements concerning the possible use of **ABRP, Inc.**, products are not intended as recommendation to use **ABRP, Inc.**, products in the infringement of any patent.

LIMITED WARRANTY

This warranty is valid for one year from the date of purchase. The purchaser of this product shall be entitled to the following, if the product herein is shown to be defective: **ABRP, Inc.**, at its option, will either replace the product or refund the purchase price. Contact **ABRP, Inc.**, to make claim under this warranty. The purchaser must have proof of purchase from label and original sales receipt. Proper surface preparation is essential to the applicability of this warranty. Read and follow label directions.

ABRP, Inc., shall not be liable for incidental, consequential or indirect damage arising from the use of this product or the cost of labor involved in its application.

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the

label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

No other warranties are made, expressed or implied, including without limitation warranties as to MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of **ABRP, Inc.**, products.

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to the purchaser. This warranty gives the purchaser specific legal rights, as well as, other rights which may vary from state to state.

TECHNICAL SERVICES

ABRP, Inc., employs in field technical representatives to answer questions for architects, building owners and contractors.

REFERENCING

Catalog, product specifications, brochures, list of national registered historical landmarks restored with **ABRP, Inc.**, products and video training tapes are available upon specific request.

ABRP, INC., is on the **WORLD WIDE WEB**. For more information on many of the specialty building restoration products available to you, please see our home page at <http://www.abrp.com> or e-mail **ABRP, Inc.** at abrp@execpc.com.