



## POLYSAND®

*The Aristocrat of Fine Finishing Systems*

*Internationally known for its unique ability to restore scratched and damaged plastic surfaces to their original surface luster!*

### Also Restores:

- ★ Hard Wood
- ★ Cultured Marble
- ★ Precious Metals
- ★ Brass, Aluminum
- ★ Acrylic Furniture
- ★ Signs - Displays
- ★ Painted or Resinous Surfaces
- ★ And Much More!

Before using POLYSAND® Cushioned Abrasives, READ INSTRUCTIONS CAREFULLY.

## Now That You've Finished:

- ★ Inspect the restored surface visually for imperfections.

- ★ If any damage is visible and the initial problem was crazing, deep scratches, solvent or chemical attack, or paint overspray, it is almost always because the initial damage was not completely removed.

**SOLUTION:** Repeat the procedure, beginning with POLYSAND® 3200. Remember to use firm pressure, work a larger area with each step and be sure to remove old scratch pattern with each successively finer grade.

- ★ If light scratches or a hazy appearance remain, it is probable that somewhere in the sequence the previous scratch pattern was not completely removed.

**SOLUTION:** Go back to a series of sandpapers (wet or dry 320,400,600) and remove damage. This should take almost 90% of the restoral time. Then polish back with POLYSAND®.

## POLYSAND® Has So Many Uses!

It is virtually impossible to list them all, but here are some of the many ways POLYSAND® has proved invaluable:

### Aircraft and Marine Craft

Windshields, windows and canopies  
Helicopter bubbles  
Glider canopies  
Instrument panels

Fiberglass boat hulls, shower stalls, jacuzzis  
Snowmobile Windshields  
Mobile Home and Van Acrylic Windows  
Safety Shields

Formica Table and Counter Tops  
Displays and Signs

Models - Industrial and Hobbyists

Hardwoods: Furniture, Picture Frames

Lacquered, Resinous, Epoxied or Acrylic

### Painted Surfaces:

Car restorals  
Fine furniture  
Musical instruments  
Decopage - arts n' crafts

### Cultured Marble Surfaces

Metals - Removes Tarnish and Polishes

Brass - lamps, doorknobs, desk handles

Chrome

Aluminum - patio and lawn furniture

Auto bodies

Printed circuit boards - removes oxidation

### Plastic Artworks

Watch Crystals

Precious Metals - Polishes Gold and Silver

Sporting Goods & Hobbies

Golf Clubs

Skis

Tennis Racquets - wooden & aluminum

Racquetball Racquets

Bicycles

Plastic Cases - Calculator, Computer

Photographic Lenses and Equipment (Acrylic)

Gems & Precious Stones - if it will dull with wear,

POLYSAND® will restore it to its original luster

*(Not intended for glass, polycarbonates or textured surfaces)*

## Availability:

- ★ POLYSAND® Cushioned Abrasives are manufactured in rolls that can be easily divided into sections for manual or mechanical use. All ten grades are available in rolls 6" X 50' long.

- ★ POLYSAND® is also available in 6" X 12" sheets, with or without a foam backing.

- ★ Additionally POLYSAND® may be purchased in kit form. Each kit includes everything necessary for complete restoral.

- ★ POLYSAND® is available in the following grades and crystals:

GRADE	ALUMINUM OXIDE	SILICON CARBIDE
1000		✓
1500	✓	
1800	✓	
2400	✓	
3200	✓	
3600	✓	
4000	✓	
6000	✓	
8000	✓	
12000	✓	

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## Characteristics and Advantages:

- ★ POLYSAND® Cushioned Abrasives represent a highly refined version of conventional abrasives such as sandpaper.

- ★ POLYSAND®'s unique finishing action, which restores damaged and scratched plastic surfaces to their original surface luster, is due to a special bonding of conventional abrasive particles.  
(US Patent No. 3,230,672)

- ★ While sandpaper is not intended for polishing but for extensive stock removal, POLYSAND® Cushioned Abrasives are specifically designed and adapted for minute stock removal as a surface leveler in the micro-finish range — reducing the microscopic hills and valleys left by prior standard abrasive procedures.

- ★ POLYSAND®'s grading system is calibrated in numbers similar to conventional sandpaper; larger numbers representing finer grades. From coarse to fine, POLYSAND®'s grades are: 1000-1500-1800-2400-3200-3600-4000-6000-8000-12000. In short, POLYSAND® takes over where conventional abrasives leave off!

- ★ POLYSAND® may be used wet or dry. Its unique construction permits the abraded material to be easily dislodged by brushing, slapping or even washing, which extends POLYSAND®'s longevity.

- ★ POLYSAND® allows you to use conventional sandpaper to speed up the process of removing severe damage, and still restore the surface to a mirror-like finish!

- ★ POLYSAND® is so versatile, it has a whole range of applications. It will polish everything from acrylics to hardwoods, brass and aluminum to precious metals, plastic furniture to cultured marble. Experiment yourself and discover new uses!

## Before Beginning Repair:

Evaluate surface carefully to establish extent of damage. Severity of damage will determine which grade of POLYSAND® to choose as a starting point.

1. **Severe Damage** - Fractures, chipping, very deep scratches. It is difficult to achieve complete restoration when damage is this severe, and it is not advisable when in a critical vision area. When in a non-critical vision area, begin with POLYSAND® 1000. If damage is not readily removed, back up to 600 sandpaper (or coarser, if necessary). Use of any sandpaper must be followed by use of finer grits before going into the POLYSAND® series. (Ex: 320 must be followed by 400 and 600).

2. **Deep Scratches** - easily felt with fingertip. Begin restoral with POLYSAND® 1500.

3. **Minor Scratches** - detectable with fingernail. Begin with POLYSAND® 1800.

4. **Hairline Scratches** - visible as very light scratches or hazing. Begin with POLYSAND® 2400.

**NOTE:** If the estimated damage is not easily removed with your first step, back up to the next coarser grade of POLYSAND® (or into sandpaper, as explained above.)

## Tips To Remember:

- ★ 80-90% of the restoral time is spent actually removing the original damage. It's important to take your time and make sure this first step is complete before moving to another step. The quality of the finished product depends on it.

- ★ The surface which you are working on must be free of foreign matter. Wipe or wash clean before you start and after each step.

- ★ POLYSAND® must also be kept free of foreign particles, which could scratch the surface. Store it in its protective bag when not in use.

- ★ If using POLYSAND® wet, use water or water and detergent as a slurry. (No oils or chemicals.) In extreme heat this will reduce surface temperature and will keep POLYSAND® free of abraded materials. Flush all areas clean between steps to prevent contamination.

## Step-By-Step Restoral Procedure:

1. After determining extent of damage, choose appropriate grade of POLYSAND® (or sandpaper, if necessary) to begin.

2. Wrap POLYSAND® (or sandpaper) around foam block.

3. With firm pressure, work in a straight line motion until damage has been removed. If damage does not readily disappear with the first step, back up to the next coarser grade.

4. Work a slightly larger area with each step to prevent distortion or "bull's eye" effect. The more severe the damage, the larger an area should be worked.

5. Each successive grade should be worked at right angles to the grade before it, enabling user to determine when the previous scratch pattern has been removed.

6. Approximate working times are 2-3 minutes per square foot for the coarser grades (1000-6000) and 1-2 minutes for the finer grades (8000-12000). Do not move to the next step until the previous scratch pattern has been removed. The result of moving too quickly is a hazy appearance.

7. Rinse and/or wipe clean between each step.

8. Continue this procedure, working through the POLYSAND® series until you have used the finest grade.

9. Apply thin film of anti-static cream to release minute particles which are held to the surface by a static charge. Buff clean with industrial wiper or flannel cloth.

10. Be sure to replace POLYSAND® in its protective bag after use.