



Product Data

## Preliminary Data Sheet

# RenShape<sup>®</sup> High Performance Sealer

## Sealer for Epoxy and PUR Based Work and Model Boards and Other Tools

**DESCRIPTION:** RenShape<sup>®</sup> High Performance Sealer is designed to solve tough model and work board surfacing problems. The low viscosity sealer is applied to a board surface that has been prepared by sanding. Multiple coats of the RenShape<sup>®</sup> High Performance Sealer will generate a clear, tough, chemical and high temperature resistant layer on the applied surface. RenShape<sup>®</sup> High Performance Sealer can also be used on the surface of new and used epoxy tools to impart a tough, glossy, heat and chemical resistant barrier layer.

RenShape<sup>®</sup> High Performance Sealer also provides a very effective base coat for permanent type release agents.

- Outstanding Surface Finish
- Excellent clarity
- Excellent chemical resistance
- Easy to apply

### TYPICAL PROPERTIES\*

	<u>Method</u>	<u>Value</u>
Color	Visual	Clear to slightly yellow
Viscosity	Visual	Very Low
Specific Gravity	ASTM D-792	0.84

**NOTE:** These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Product Management Department.

### APPLICATION:

**Boards-** Sand to the desired level of finish, generally with 400 grit or better. The surface must then be free of dust, moisture or contaminants. If there are any petroleum contaminants present, clean with new solvent such as toluene and clean cloths. Dry thoroughly. It is extremely important that the surface be CLEAN.

The Ren Shape<sup>®</sup> High Performance Sealer is applied using clean, soft, absorbent, lint free cotton cloth. (New all-cotton diapers are good.)

Saturate a small doubled up pad of cloth with RenShape<sup>®</sup> High Performance Sealer. Follow the MSDS and wear appropriate gloves and use appropriate ventilation. Treat a small area of a few square feet at a time by applying a liberal wet coating. Allow the liquid layer to start to "bead up" (a few seconds in most cases) and wipe up the excess with a clean dry cloth leaving a uniform wet layer. Work from the outside of the patch in towards the center. Treat the whole tool surface until a uniform coating is achieved.

Allow to air cure for 30 minutes. Repeat the process at least one more time or more until you achieve the result you want. Fully cure the coating for 2 hours at room temperature before applying any release agents. Cure can be accelerated to 15 minutes at 120 to 140°F.

**Note:** RenShape® High Performance Sealer is not a release agent. You must apply a suitable release agent if you plan to pull parts from the sealed surface.

**Tools-** New and used tools can be coated with the RenShape® High Performance Sealer following the same procedure as above. Generally, tools are contaminated with many materials. If the tool is polished with rubbing and polishing compounds, clean with strong detergent and water. Rinse well. Then clean\* with new unused solvent such as toluene.

\*The tool must be very clean. A drop of water will not bead on the surface but will spread out and wet. If this is not achieved, the performance of the RenShape® High Performance Sealer will be adversely affected.

**SAFETY:** Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

**RenShape® High Performance Sealer**

**WARNING!** Flammable liquid. Keep away from heat, sparks, and flame. Keep container closed when not in use. Use with adequate ventilation. Causes eye, skin, and respiratory irritations. May cause allergic skin reaction. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

**NOTICE!** Overexposure may have effects on kidney, liver, and nervous system. Nuisance dust may be generated when sanding or sawing cured material.

**FIRST AID:** In case of contact with:

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If conscious, give plenty of water to drink. Do not induce vomiting. Call a physician.

**Inhalation:** Remove to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

**Other:** Referral to physician is recommended if there is any question about the seriousness of any injury.

**IMPORTANT:** The following supercedes Buyer's documents. **SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential, or indirect damages for alleged negligence, breach of warranty, strict liability, tort, or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Vantico A&T US, Inc.  
RenShape Solutions

**DISTRIBUTED BY FREEMAN MFG & SUPPLY CO. 800-321-8511**