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Advanced Materials

RenShape® High Performance Sealer

SEALER FOR EPOXY AND PUR BASED WORK AND MODEL BOARD AND OTHER TOOLS

DESCRIPTION:

RenShape® High Performance Sealer is designed to solve 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® High Performance Sealer will generate a clear, tough, chemical and high temperature resistant layer on the applied surface. RenShape® High Performance Sealer can also be used on the surface of new and epoxy tools to impart a tough glossy, heat and chemical resistant barrier layer.

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

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

TYPICAL PROPERTIES*:

	Method	**Value**
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 establishing product specifications, please consult with our Quality Control Department.

APPLICATIONS:

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 RenShape® 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® 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.

STORAGE :

RenShape® High Performance Sealer should be stored in a dry place, in the sealed original container, at temperatures between +5°C and +25°C (+41°F and 77°F). Under these storage conditions, the shelf life is 2 years. The product should not be exposed to direct sunlight.

PRECAUTIONARY STATEMENT :

Huntsman Advanced Materials Americas LLC maintains up–to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!
Refer to MSDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

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