



Huntington Specialty Materials



Application Guide

HS-989 Nano-Ceramic Clear Coat

(Ideal for saturating fibrous substrates for heat and water resistance)

HS-989 is a Nano-Ceramic Clear resinous coating matrix, that when applied correctly offers excellent Heat and water resistance to fibrous substrates.

Optional application suggestion;

- Use a tray slightly larger than the article to be treated.
- The part should be oversized from the finished dimension desired, allowing for trimming.
- Be sure to apply HS-940 release to the inside of the tray or use a suitable release film such as Teflon treated release, either should allow for easier removal of the cured part.
- Pour enough HS-989 into the tray – equal to or slightly less than the depth of penetration that is desired from the face side of the fibrous substrate.
- Now set the fibrous substrate into the HS-989 and allow it to soak into the fibrous substrate piece.
- Place the tray with the resin/fiber matrix into a free flowing -warm environment at 90 to 110F ---- the warm air flow will start to allow the solvents to be removed from the fibrous part – too much heat will tend to create solvent bubbles or porosity within the resin as it cures – slow low temperature curing is better.
- Remove the cured part- trim off excess any cured resin and fiber to the finished desired size.

Optional treatment:

If there is any surface defect on the face side, or a light sanding is needed to smooth out the surface;

- After sanding or other surface modification is completed,
- Wipe the surface clean of dust or other debris.
- Apply a 2-3 micron coating of HS-950 HT adhesion promoting clear primer; this ensures a covalent bond between the cured resinous surface and a secondary thin top coat of the HS-989 if it is needed to create a smooth- slick surface.
- Allow this thin top coating of the HS-989 to air dry at ambient or a warm 90-100F air flow until dry to the touch – full ambient cure is 5 days – or once a dry to the touch surface is achieved, it may be exposed to more elevated temperatures, if a faster cure is needed.

The manufacturer is not responsible for the use and application of this material. At the time of this publication all information contained within was determined to be valid and true. It is up to the end user determine the suitability of this product for their own application. No warranty is written or implied regarding application and use of this material

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