



KantStik® SPC 1.0

Semi-Permanent Mold Release Agent



Product Description

KantStik® SPC 1.0 is our second generation “Dry Film Lubrication Technology”, allowing multiple molding/release cycles between applications. **KantStik® SPC 1.0** provides easy release with accurate surface reproduction and withstands high molding temperature conditions in excess of 800°F (427°C) without deterioration. It is semi-permanent and non-transferable; therefore, post-processing operations are unaffected by its use. Contains no Silicone.

KantStik® SPC 1.0 is particularly useful for molding thermoset resins, such as polyester, epoxy and phenolic resin composite materials.

Uses

The various molding processes in which **KantStik® SPC 1.0** may be found superior are as follows:

- Casting
- Resin transfer
- Open molding
- Vacuum bagging
- Compressing molding

Direction for Use

Recommended Procedure

1. The mold surface should be thoroughly cleaned of all contaminants such as oils, grease, wax, dirt, or previous release agents by hand buffing with **BuffAway™ 2000 Polish** followed by **KantStik® Mold Cleaner**. The cleaned surface should be completely dry. Then apply 2 coats of **KantStik® Sealer 1.0** per following the instructions on the **KantStik® Sealer 1.0** TDS.
2. Wet a clean cotton cloth with **KantStik® SPC 1.0** and apply by wiping it on the tooling surface. Only apply to an area of 2-3 square feet. Make sure of complete and uniform coverage of the surface.
3. Wait approximately 15-30 seconds after applying and while the film is still wet, wipe the excess release agent with a clean, dry cotton cloth or micro fiber towel.
4. Continue the process of applying in 2-3 square foot areas, slightly overlapping previous areas until the mold has been completely covered. Wait 15 minutes after the release agent has been applied and buffed off the entire mold, before applying the next release coat.

5. Repeat Steps 2, 3, & 4 five more times.
6. Mold can be placed into production one hour after the last application of release has been buffed to a high gloss. **NOTE: AN OVERNIGHT CURE WILL SUBSTANTIALLY INCREASE THE NUMBER OF PULLS BEFORE A TOUCH UP IS REQUIRED, ESPECIALLY IF MOLDING WITH DCPD OR EPOXY RESINS.**
7. **KantStik® SPC 1.0** as supplied has a clear appearance. If it appears cloudy, milky or if a precipitate is observed, the material may show signs of contamination. Contact Stoner Customer Service if this occurs.

NOTE: At the first signs of difficult release, apply a touch-up coat of **KantStik® SPC 1.0**. Avoid over application which could lead to pre-release and streaking on the surface of the tooling

Storage and Handling

This product contains flammable solvents. Reseal the lid after each use. Store in a cool, dry place. Use in a well-ventilated area. Consult MSDS prior to use. Shelf life is 12 months from date of manufacture.

Packaging

KantStik® SPC 1.0 is available in:

- Cases of 4x1-gallon Part # P59201GLXXX2
- 5-gallon pails Part # P59205PLXXX2
- 55-gallon drum Part # P59255DRXXX2

Technical Assistance

Call: 800-227-5538 or 1 (717) 786-7355

Email: TimeSaver@StonerSolutions.com

Visit: StonerSolutions.com

The information contained in this TDS is believed to be accurate and reliable. It is recommended that each user test the material and procedures prior to initial use. Nothing stated in this TDS is to be construed as a warranty either expressed or implied.

