

TYPE:

One-Component Polyurethane Reactive Hot Melt

PHYSICAL PROPERTIES:

Appearance: Off White Solid

Application Temp: 250° F Recommended

Viscosity: ~ 12,000 cps @ 250° F

Open time: ~ 3 – 4 minutes

Curing Mechanism: Humidity Curing

APPLICATION:

TECHNOMELT PUR 513C is a one-component polyurethane reactive hot melt adhesive. It is designed to give aggressive tack, long open time and high green strength. The product cures through reaction with moisture to form a tough, strong and virtually thermo set polymer. TECHNOMELT PUR 513C can be used for lamination of sandwich panel elements of wood, lauan, fiberboard, particleboard, plywood, FRP, EPS foam, PU foam, and surface treated metals. TECHNOMELT PUR 513C can be applied by roll coating, extrusion, swirl spray, or reactivation.

Deposition rate can vary depending on substrate porosity. Spread rates of 8 to 12 grams per square foot are often used for roll coat applications; 6 to 10 grams per square foot are often used for extrusion or spray applications. Henkel strongly suggests consulting with a sales or technical service professional for specific recommendations on any particular application.

Surfaces must be free of oil, grease, lubricants, dust and any other contaminants. Aluminum or other metals should be conversion coated or primed for adhesion.

Curing of TECHNOMELT PUR 513C is accomplished through reaction with moisture. The moisture can be provided by substrate, through absorption from the atmosphere, or a combination of both. Under extremely dry conditions, artificial ambient humidification will help to ensure full cure. Consult your sales or technical service professional for specific recommendations on substrate moisture content and ambient temperature and humidity levels.

PRECAUTIONS:

This product contains isocyanate. Read MSDS before handling and using this product.

CLEANING:

Henkel offers a selection of TECHNOMELT PUR Cleaners to facilitate the removal of cured and uncured materials. To clean hoses and nozzles, use TECHNOMELT PUR Cleaner 2, Cleaner 4, Cleaner ME or Cleaner All-In-One. To clean uncured material from the rolls of roll coaters, use Cleaner 785A. To facilitate removal of cured material from the rolls of roll coaters, use Cleaner 7. TECHNOMELT PUR Cleaner 3030 and M-O-C may be used to remove uncured hot melt from surfaces. Some cured material may require removal by mechanical means.

STORAGE CONDITIONS:

Store in a dry area at 60-95° F. The shelf life of original unopened packages is 6 months from date of shipment. Once opened, the adhesive has to be used immediately.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

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