

DuPont™ TraSys® 8700

Roll Coating

Description

TraSys® 8700 is a two-part heat curable coating. When applied to a surface, it exhibits outstanding release or antistick properties and a very low coefficient of friction. It is clean, nonoily, nonstaining, chemically inert, and can function in temperatures to 177°C (350°F) and in steam environments.

Typical Uses

TraSys® 8700 is ideal for steam-heated roll applications requiring high lubricity or nonstick surface. TraSys® 8700 can be used to eliminate or reduce buildup on rolls for the paper and plastic industries, enhance cleaning efforts for the paint and printing industries, and provides similar benefits to most applications requiring a nonstick surface.

Typical applications include paper rolls, plastic film rolls and guides, printing and paint equipment, and plastic laminates.

Product Advantages

TraSys® 8700 provides high lubricity in a thin film coating. Release life is excellent, and multiple releases into the thousands are obtainable. Unlike oily release coatings, when applied properly, TraSys® 8700 does not interfere with post-finishing operations.

Directions for Application

TraSys® 8700 should be applied to clean, dry surfaces.

1. Clean surface thoroughly using abrasive media and wipe with a nonoily cleaning solvent to remove all sources of contamination.
2. Use only in well-ventilated area with proper safety equipment. Pour equal amounts by volume of TraSys® 8700 A and B into a container. Mix thoroughly with wooden paddle, stirring for 1–3 min. Begin spraying operation as soon as possible.

3. Using a spray gun with a pressure pot of 1–2 psi on the pot and a line pressure of 16–20 psi, apply a light coating using a fine mist over the entire surface area.
4. If a second coat is desired, wait approximately 10 min and when the first coating is tacky, but not fully dried, apply an additional coat, again a fine mist, but in a perpendicular direction to the first coat.
5. Apply as many coats as needed to build up to the desired coating thickness.
6. Heat the surface to 150°C (302°F) for 15–40 min. This will ensure a complete cure.
7. Do not cover coated sources with anything abrasive. Covering with a plastic polyethylene drop cloth is recommended.
8. Spray apparatus must be cleaned within 30 min with methyl ethyl ketone or other compatible solvent. Pay particular attention to the nozzle area.

Handling and Storage

Adequate ventilation must be provided in work areas where TraSys® 8700 release coating is applied. Breathing mist or vapors should be avoided, just as sprayed paint inhalation should be avoided. Care should be taken to wear proper mask or respirator, gloves, safety glasses, and impervious clothing and boots when mixing, spraying, and during cleanup. Vapor from the carrier fluids may develop slight pressure. Therefore, care should be exercised when opening containers. Containers should be closed promptly after removing part of the contents to avoid evaporation and contamination. Always wash hands after handling TraSys® 8700 release coating.

No Smoking While Handling This Product

Refer to MSDS for further information.

Coating Removal

TraSys® 8700 can be removed by conventional abrasive cleaning methods.

Shipping Information

DOT/IMO/IATA
Proper Shipping Name Methyl Ethyl Ketone
Solution
Hazard Class 3 (IMO—3.2)
UN Number NA 1993
Packing Group II
Reportable Quantity 5,000 lb Methyl
Ethyl Ketone
Label(s) Flammable Liquid

Physical and Chemical Properties

Boiling Point, solvent 80°C (176°F)
Freezing Point 0°C (32°F)
Vapor Pressure 83 psia at 24°C (75°F)
Volatiles, % 82
Solubility in Water Nil
Odor Ethereal
Form Liquid Dispersion
Color Translucent, White
Density, g/cc 0.86

For more information or technical assistance, call:

(800) 441-9503

or visit us on the Web:

www.dupont.com/releasesystems

Or call the Coating & Release Systems hotline in the **United States** at (800) 441-9503,
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