TECHNICAL BULLETIN

POLYDIMETHYLSILOXANE COPOLYMER CT8300

OVERVIEW

CT8300 is a silicone coating normally applied over a variety of different thermal spray coating to give the surface a low coefficient of friction as well as release properties. CT8300 can be used over smooth coatings or coarse coatings to give either straight release or release plus traction properties. CT8300 provides complete release from most materials such as hot melt glue, rubber based glue, acrylic based glue and many other substances. It can be used to prevent build up of glue and plastic resins in many production environments.

TYPICAL PROPERTIES

Nominal Composition:	Polydimethylsiloxane
Coating Hardness:	50-65 HB
Bond Strength:	3,000-5,000 psi
Coefficient of Friction	Static: 0.12-0.15 Dynamic:0.05-0.10
Elongation:	300-500%
Abrasion resistance:	*Tabor: 12

**Cs 17 wheel, 1kg load, 1,000 cycles, weight loss in mg*

FOR THE FOLLOWING APPLICATIONS

CT8300 when used over thermally sprayed coatings exhibit improved bond strength and improved wear resistance over the use of CT8300 applied directly to the substrate. Applications include improved reduced sticking and improved cleanup of glue in laminating, paper coating, tape manufacturing and paper tube manufacturing lines, improved cleanup of ink and paint contact rolls, reduction or elimination of pickup in paper industry bowed rolls. CT8300 may also be used in a wide variety of release applications such as molds used to make rubber soles for shoes, rubber mats, golf ball molds, etc.

SPECIFICATIONS

CT8300 meets the following specifications:

Internal CTS specifications

CTS-Midwest
5901 Creek Rd.
Cincinnati, OH 45242
(513) 793-0670 | F: (513) 793-4254

CTS-South
11766 NC Highway 210
Rocky Point, NC 28457
(910) 675-2909 | F: (910) 675-0806

CTS-East
80 Fadem Rd.
Springfield, NJ 07083
(973) 379-0003 | F: (973) 379-4066

CTS-Texas
4011 Chance Ln.
Rosharon, TX 77583
(281) 431-1629 | F: (281) 431-2179