

# LORD® PC10521 Protective Coating

## Technical Data Sheet

LORD® PC10521 protective coating is a mineral-filled dielectric material designed for screen print application onto a variety of substrates.

### Features and Benefits:

**Application Diversity** – can be screen printed onto a wide range of substrates including ceramics, glass, flexible polymers such as phenolic, porcelain enameled steel, and epoxy printed circuit boards.

**Durable** – cured film is flexible and offers protection against thermal shock, moisture, abrasion, oxidation and corrosion.

**Solvent Resistant** – cured film is resistant to many commonly used solvents.

### Application/Processing:

**Mixing** – Gently stir material before using. If dilution is needed, use LORD 3975 thinner.

**Applying** – Apply material by screen printing using a 100-250 mesh stainless steel screen with 0.6-1.6 mil emulsion backing. A sharp polyurethane squeegee with a 45° angle of attack is recommended. Best results are obtained by printing two separately cured layers.

**Drying/Curing** – Allow material to self level for 5-10 minutes at room temperature. Cure parts at 100°C for 30 minutes in well-ventilated box oven. A lower temperature cure (75°C for 1 hour) may be used for temperature-critical polymers. Optimum cure schedule will vary depending on application and will need to be determined empirically.

### Shelf Life/Storage:

Shelf life is six months from date of shipment when stored at 25°C in original, unopened container.

### Typical Properties\*

Appearance	Clear Paste
Viscosity, Kcps @ 25°C Brookfield HBT Spindle CP-51, 1 rpm	40 - 80

\*Data is typical and not to be used for specification purposes.



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## Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

*For industrial/commercial use only.* Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this document represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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