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.

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.

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