

Sipiol® WL 1120-21 Coating

Technical Data Sheet

Sipiol® WL 1120-21 coating is a smooth, aqueous, single-component, anti-friction coating designed specifically for in-line application during production of automotive sealing systems.

Features and Benefits:

Abrasion Resistant – provides excellent abrasion resistance against rotating textile.

Durable – provides excellent chemical resistance and high elasticity.

Low Coefficient of Friction – provides a low coefficient of friction coating.

Noise Reduction – reduces noise generated when surface is in contact with coated metals.

Application:

Surface Preparation – Remove contaminants from surface. Prime substrate with either Sipiol WP 8556 or Cuvertin® X 8536 primer. Alternative surface preparation, such as plasma treatment, is recommended for improved adhesion to low polarity substrates.

Mixing – Thoroughly stir Sipiol WL 1120-21 coating prior to application using an electric stirrer at low speed. If a lower viscosity is required, dilute coating with a maximum of 20% deionized water, by weight. If higher viscosity is required, add up to 2% Sipiol TH 2 additive. Before use, filter coating using a sieve with pore size of 125-200 µm.

If coating is spray applied, equip spray container with built-in stirrer to prevent sedimentation.

Applying – Apply Sipiol WL 1120-21 coating by brush or HVLP spray methods at temperatures above 10°C (50°F). Coating can be applied up to a maximum substrate temperature of 120°C (248°F).

For optimum performance, dry film thickness of Sipiol WL 1120-21 coating should be 10-20 micron (0.4-0.8 mil).

Drying/Curing – Cure coating at 130-200°C (266-392°F), with dwell time depending on line speed and oven length. Typically, 1-2 minutes at 180°C (356°F) surface temperature is sufficient.

Cleanup – Use water to clean up equipment.

Shelf Life/Storage:

Shelf life is one year from date of manufacture when stored properly by the recipient between 5°C and 30°C (41°F and 86°F) in original, unopened container. Temperature control measures are not required during transportation if freezing of the product is prevented. Keep container tightly sealed when not in use to prevent skinning.

Typical Properties*	
Appearance	Black Liquid
Viscosity, mPa·s/cps @ 25°C (77°F) Brookfield LVT Spindle 1, 30 rpm	10 - 100
Solids Content by Weight, % 2.5 gram dried 30 minutes @ 130°C (266°F)	30.0 - 34.5
Gloss 60°	1.0 - 4.0

*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.

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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