

Sipiol® WL 2015-22 P Coating

Technical Data Sheet

Sipiol® WL 2015-22 P coating in combination with Sipiol WV 21 F curative creates an aqueous, two-component, anti-friction coating designed specifically for off-line application during production of automotive sealing systems. Sipiol WL 2015-22 P coating is a high abrasion-resistant coating with a structured surface.

Addition of Sipiol WV 21 F curative is required and suitable for a lower temperature cure. For further information on Sipiol WV 21 F curative, refer to associated data sheet.

Features and Benefits:

Abrasion Resistant – provides excellent abrasion resistance against rotating textile and jeans test.

Durable – provides excellent chemical resistance and high elasticity.

Low Coefficient of Friction – provides a low coefficient of friction coating with improved glass drag properties and non-stick to glass.

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

Application:

Surface Preparation – Remove contaminants from surface. Prime substrate with either Chemlok® 459X, 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 2015-22 P coating prior to application using an electric stirrer at low speed. If a lower viscosity is required, dilute coating with deionized water, up to 30 parts of water to 100 parts of coating.

While continuously stirring the coating, carefully add Sipiol WV 21 F curative at a ratio of 100 parts coating to 3 parts curative, by weight. Before use, filter coating using a 250-400 µm sieve (Tyler mesh 34-60).

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

Applying – Apply mixed 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 should be 10-30 micron (0.4-1.2 mil).

Drying/Curing – Cure coating at 90-200°C (194-392°F), with dwell time depending on line speed and oven length. Typically, 15 minutes at 130°C (266°F) 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 2, 30 rpm | 150 - 300 |
| Solids Content by Weight, % 2.5 gram dried 30 minutes @ 130°C (266°F) | 34 - 39 |
| 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.

Typical Properties of Coating Mixed with Required Curative*

| Sipiol WV 21 F | |
|--|--------------|
| Mix Ratio by Weight, Coating to Curative | 100:3 |
| Solids Content by Weight, % 2.5 gram dried 30 minutes @ 130°C (266°F) | 34 - 40 |
| Working Time, hours @ 25°C (77°F) | 8 |
| Mixed Appearance | Black Liquid |

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

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.

Information provided herein is based upon tests believed to be reliable. In as much as Parker Lord has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, Parker Lord does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

WARNING — USER RESPONSIBILITY. FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

©2024 Parker Hannifin - All Rights Reserved

Information and specifications subject to change without notice and without liability therefor. Trademarks used herein are the property of their respective owners.

OD DS4234E 06/24 Rev.7



Parker Lord
Engineered Materials Group
 111 LORD Drive
 Cary, NC 27511-7923
 USA
www.Parker.com/EPM

Parker Hannifin GmbH
 Itterpark 8
 40724 Hilden
 Germany
 phone +49 (0) 2103 252 310