INFERNEX® LP-1100 Primer Technical Data Sheet

PRODUCT DESCRIPTION

A Silicone heat resistant primer designed for good working properties over ferrous and non-ferrous metal surfaces to improve adhesion and rust resistance. Intended to be top coated by one of FORREST's high temperature finish coatings, including Infernex® LB-1100 (55B290) for maximum performance.

Model number: LP-1100
Part Number: 55P201

Color: Charcoal
Sheen: Flat

Benefits

- Excellent pre-thermal and post-thermal properties
- Excellent corrosion resistance

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	32 ± 2
Weight solids (%)	50 ± 2
VOC	582 g/l ± 2
Theoretical Coverage at 1.0 mil (25.4 µm)	513 ft²/ gal
Recommended dry film thickness	1.5 – 2 mils
Recommended wet film thickness	4.5 – 6.25 mils
Dry to handle	60 minutes

Performance Data (Pre thermal properties, after 435°F cure)

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	0 – 3
Adhesion	ASTM D3359	4B
Pencil Hardness	ASTM D3363	F +
Salt Fog	ASTM B117/D1654	Pass 96 hours
Solvent Resistance	ASTM D4752	100+ MEK rub

Applicable substrates: Cold Rolled Steel, Hot Rolled Steel, Aluminized, and 304 Stainless Steel.

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SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 1 (solvent cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	30 – 65%
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

***** We recommend allowing product to air dry for 24 hours before topcoating, unless force cured

Force Cure Schedule

Temperature	400°F (204°C)
Time	30 minutes

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Application methods
The product can be applied by

Spray
Airless/Air Assist spray: 0.009” - 0.013” orifice size

Conventional/HVLP spray: 1.3 mm – 1.8 mm

STORAGE

The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = minimum of 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.

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