# 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**

**For full cure, substrate temperature must reach 400° F for 30 minutes**

| | |
|---|---|
| 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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