



62H290

Technical Data Sheet

PRODUCT DESCRIPTION

A modified Silicone heat resistant coating designed for rapid curing and good working properties over ferrous and non-ferrous metal surfaces.

Color: Black
Sheen: Flat

Benefits

Easy to use
Great adhesion

PRODUCT AND PERFORMANCE DATA

Product Data

| Property | Result |
|---|--|
| Volume solids (%) | 13.04 |
| Weight solids (%) | 22.98 |
| VOC | 749.62 g/L (6.26 lb/gal) |
| Theoretical Coverage at 1.0 mil (25.4 µm) | 209.16 ft ² /gal (5.13 m ² /L) |
| Recommended dry film thickness | 0.8 – 1.2 mils 20.3 - 30.5 µm |
| Recommended wet film thickness | 6.1 – 9.2 mils 155 – 234 µm |
| Dry to handle | 30 minutes |

Performance Data

| Test Method | Standard | Result |
|-------------------|---------------|-----------|
| Gloss @ 60° | ASTM D523-14 | 3 - 6 |
| Adhesion | ASTM D3359 | 5B |
| Pencil Hardness | ASTM D3363 | 2H |
| Impact Resistance | ASTM D2794-90 | 80 in-lbs |

Coating Post Burn Performance Results

| Test | Temperature Tested | Time | Result | Method |
|---------------------|--------------------|---------|--------|----------------|
| Color after burn | 1100 °F (593°C) | 8 Hours | Pass | Muffle Furnace |
| Adhesion after burn | 1200 °F (649°C) | 1 Hour | 5B | Muffle Furnace |

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 contaminants.

Surface Preparation

| | |
|-------------|---|
| Recommended | SSPC SP 6 (commercial blast cleaning) |
| Minimum | SSPC SP 2 or SP 3 (hand or power tool 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 | 50 % ±10 |
| Minimum Temperature | 50°F (10°C) |
| Maximum Temperature | 80°F (27°C) |

* We recommend allowing product to air dry for 4 hours before putting into service.



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Force Cure Schedule

| | |
|-------------|--------------|
| Temperature | 200°F (93°C) |
| Time | 20 minutes |

Application methods

The product can be applied by

Spray

Airless spray: 0.009" - 0.013" orifice size

Conventional spray: 0.8 mm – 1.4 mm

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

PACKAGING AND STORAGE

Packaging

1 – Gallon

5 – Gallon

Drums

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) = 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.