

SUBMITTAL RECORD _____
 JOB _____
 LOCATION _____
 SUBMITTED TO _____
 SUBMITTAL PREPARED BY _____
 APPROVED BY _____
 DATE _____



Submittal Form Red Heat Resistant Silicone Sealant



DESCRIPTION

A one-component, non-slumping 100% silicone sealant that cures to a rubbery solid at room temperature upon exposure to water vapor in the air. Formulated with iron oxide to resist extreme heat exposure. Cured product remains permanently elastic and withstands 600°F intermittent temperatures and 500°F constant temperatures.

FEATURES

- Waterproof and Weatherproof
- Resists cracking, shrinkage, and peeling
- Remains flexible and resists vibration
- Improved Heat Resistance
- Red Color for Easy Identification
- Spec Compliant
- VOC Compliant
- Extremely Durable
- Tenacious Adhesion to Non-Porous Substrates
- Mildew Resistant

IDEAL FOR USE ON:

- Industrial ovens • Boilers • Oven belts • Fired heaters
- Oven windows • Flanged pipe joints • Drying ovens
- Access doors • Flues on gas appliances • Heating elements in appliances

NOT RECOMMENDED FOR:

- Marine use • Areas below water • Mirrors • Concrete surfaces
- Unpredictably porous surfaces • Materials that bleed oils or solvents

SURFACE PREPARATION

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint & old sealant. Prime bare surfaces before caulking for best results. Remove mildew by scrubbing with a solution of 4 oz. TSP (Trisodium Phosphate), 1 quart of liquid bleach mixed with 3 quarts of warm water. Protect eyes & hands by wearing goggles & chemical resistant gloves. Thoroughly rinse surface & allow to dry completely before sealant application.

TYPICAL PROPERTIES

Service Temp.: -60°F to 500°F (600°F intermittent)
Application Temp.: 10°F to 100°F
Tack Free Time: Less than an hour
Full Cure: 24 hours
Paint-Over Time: Not Paintable
Joint Movement: ± 25%
Clean Up: Mineral Spirits
Weight Per Gallon: 8.50
VOC Content: <3% wt, <30g/L
Consistency/Appearance: Smooth, viscous paste
Color: Red
Odor: Acetic Acid (Vinegar)
Base Polymer: Proprietary Siloxane Blend
Freeze/Thaw Stability: 5 Cycles
Shelf Life: 2 Years at 72°F
Artificial Weathering: No cracking at 10,000 hrs QUV
Storage Conditions: 40°F to 90°F

PERFORMANCE SPECIFICATIONS

- TT-S-00230C Class A
- Mil Spec 46106A
- DIN 18540 Part 2
- OREX 150031-2
- FDA No. 21 CFR 177.2600
- CEBTP 432.6 140-2
- CGSB 19C9-9B
- TT-S-001543A
- ASTM C920-02 Class 25

(This product is appropriate for incidental food contact in federally inspected meat & poultry plants). Conforms to Food & Drug Administration requirements.

APPLICATION

- Thoroughly clean & degrease metal & plastic surfaces. Rubber surfaces should be roughened with sandpaper prior to solvent wipe. For a stronger, more uniform bond apply a thin film of Dow Corning 1200 Prime Coat (or equiv.) to all surfaces except rubber & silicone rubber & allow to air dry for 30 to 45 minutes at room temperature.
- Complete all painting prior to sealant application – sealant not paintable.

LIMITATIONS

- Dow Corning 1200 Prime Coat is flammable & not suitable for use in food contact applications – keep away from heat, sparks & open flame & use only with adequate ventilation.
- Sealant not paintable
- Not recommended for marine use (continuous under water immersion), mirrors, materials that bleed oils, solvents or plasticizers, unpredictably porous surfaces or heavy traffic bearing joints.
- Not recommended for application in totally confined areas as atmospheric moisture is required for cure.
- Sealant does not adhere well to Teflon coated materials, polyethylene, polypropylene or methylmethacrylate (Plexiglas)
- Not for use on or near sensitive metals such as copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure.

CAUTION

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING.

Item #	Code	Description
5113	SSR-C	Red Silicone Cartridge

Duro Dyne Corporate Headquarters, Bay Shore, NY
 631-249-9000 • Fax: 631-249-8346

Duro Dyne Midwest • Duro Dyne West • Duro Dyne Canada
 www.durodyne.com • E-mail: durodyne@durodyne.com



©2014 Duro Dyne Corporation
 Printed in USA 12/14
 BO005424