

CONTITHERM 2561 (1508) HEAT-RESISTING PAINT 1110°F (600°C)

TYPE

High performance silicone coating exposed to extreme temperatures up to 1110°F (600°C). CONTITHERM 2561 is based on a pure silicone resin with heat resistant pigments.

USES

High performance coating exposed to extreme temperatures up to 1110°F (600°C). CONTITHERM 2561 is based on a pure silicone resin with heat resistant pigments.

CHARACTERISTICS

- Very good high heat resistance.(up to 1110°F)
- Excellent resistance to water and oil.
- Good adhesion.
- Easy applied by spray, brush and roller.
- Resistant to severe thermal shock

PRACTICAL INFORMATION

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| Color | Aluminum(silver) only |
| Gloss Level | Flat |
| VOC Values | 5.4 lbs/gal (650 g/l) |
| Volume Solids | 40% |
| Theoretical Coverage | 1.2 mils : 542 ft ² /gal (13.3 m ² /l) |
| Typical Thickness | DFT : 1~1.2 mils WFT : 2.5~3 mils |
| Service Temperature | ≤1110°F (600°C) |
| Preceding Coats | CONTITHERM 2566, and Inorganic zincs.(Inorganic Zincs coating do not apply on stainless steels.) |
| Subsequent Coats | PU coating, Fluorocarbon coating |
| Repair | Self-repair |

SUBSTRATES & SURFACE PREPARATION

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| General | Remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.Surfaces must be clean and dry. Moisture, grease, sludge, dust, corrosive salt must be thoroughly cleaned from substrate. |
| Steel | Surface preparation standards can be used SSPC-SP10, Sa2 1/2 (ISO 8501-1:2007) or hand rusting to SIS St3. Roughness for structure of carbon steel requires for 45~60 microns. |

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SUBSTRATES & SURFACE PREPARATION

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|--------------------------------------|--|
| Stainless & Galvanized | The galvanized or stainless steel must be sand blasted to SIS Sa1 before application. Roughness for stainless and galvanized steel surface should be above 25 microns. |
| Primed Surfaces | CONTITHERM 2561 should always be applied over a recommended anti-corrosive coating scheme. The primer surface should be dry and free from all contamination and CONTIPOXY 1620 must be applied within the overcoating intervals specified. (consult the relevant product data sheet) |
| Areas of Breakdown and Damage | Should be prepared to the specified standard (Sa2 1/2 (ISO 8501-1:2007) or SSPC-SP6, Abrasive Blasting or SSPC-SP11, Power Tool Cleaning) and patch primed prior to the application of CONTITHERM 2561. |

MIXING & THINNING

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| Mixing | Power mix until uniform in consistency. Avoid air entrapment. |
| Thinning | Normally not required. May be used CONTITHINNER 64 up to 5% by volume. |

APPLICATION EQUIPMENT GUIDELINES

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| Spray Application | Avoid applying the paint in rainy weather or the relative humidity exceed 85%, particularly, a wet surface must be thoroughly dried. All equipment must be cleaned immediately after use. |
| Airless Spray | Pump ratio : 30:1 or greater Tip size : 0.013"~0.019" Output PSI : 2500~4000 PSI |
| Brush | Application by brush is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer. |
| Roller | Application by roller is applicable. Thinning rate: 0~5%. For special condition please consult with product manufacturer. |

APPLICATION CONDITIONS

| Condition | Coating | Surface | Environment | Humidity |
|-----------|-------------|-------------|-------------|----------|
| Minimum | 50°F(10°C) | 50°F(10°C) | 50°F(10°C) | 30% |
| Maximum | 113°F(45°C) | 122°F(50°C) | 113°F(45°C) | 85% |

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CURING SCHEDULE

| Surface Temp. (50% Relative Humidity) | Touch Dry | Hard Dry | Dry to Handle |
|--|-----------|------------|---------------|
| 392°F (200°C) | 5 minutes | 30 minutes | 30 minutes |

OVERCOATING INTERVAL

| Surface Temp. (50% Relative Humidity) | Minimum | Maximum |
|--|----------|---------|
| 77°F (25°C) | 24 hours | None |

CLEANER & SAFETY

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|---------------------------|---|
| Cleaner | Use CONTITHINNER 64 to clean. |
| Safety Ventilation | Please read and follow all caution statements on this product data sheet and MSDS for this product. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic or oxygen deficient hazards. |

PACKAGE, HANDLING & STORAGE

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| Shelf Life | Minimum 18 months under normal conditions. |
| Shipping Weight | 1 Gallon Kit –4.1 kg 5 Gallon Kit –20.5 kg |
| Storage Temperature & Humidity | 5-35°C (41-95°F) 0-90% Relative Humidity |
| Flash Point | 77°F(25°C) |
| Storage | Store in dry, shaded conditions away from sources of heat and ignition. |