



57-73 Foster Heat Resistant Coating

Colour

Dark Grey

Application Consistency (ASTM D2507)

Brush

Average Gallon Weight (ASTM D1475)

12 pounds (1.4 kg/litre)

Average Non-Volatile (ASTM C461)

40% by volume

Thickness and Coverage (FSTM 71)

2 layers of each 100 micron wet film thickness
(= 0.2 litre per m²) on smooth, non-porous surface.
Porous or rough surfaces may require higher volume to
attain required dry film thickness of ± 0.08 mm.

Drying Time (ASTM C461)

Touch : 2-4 hours per layer
Through : 12 hours per layer

Service Temperature Limits (FSTM 70)

(Temperature at coated surface)
Minus 100°F to 1200°F (-73°C to 649°C, temporarily).

Safety Wet Flammability (ASTM D93)

80°F (TOC) Flash Point

Dry Combustibility (FSTM 44)

Fire Resistive

Threshold Limit Value

For solvent vapour (FSTM 73) T.L.V. 500 ppm

Foster Heat Resistant Coating 57-73 is designed for use on stainless steel piping and equipment to protect from stress corrosion cracking due to the presence of soluble chlorides in thermal insulations and surrounding atmospheres. It does not contain metal powders. It has excellent heat resistance, adhesion and resistance to thermal shock.

Heat Resistant Coating may also be used with thermal insulation and cloth as a lagging adhesive and coating where surface temperatures exceed the range of conventional products for this use.

Limitations

Although 57-73 will air dry to a tough film, maximum adhesion is obtained after the equipment is operating in service at temperatures over 250°F (120°C).

At least one hour at 250°F (120°C) is required for complete cure.

Surface temperature at time of application must be below 150°F (65°C).

Do not use over existing primers.

Unopened containers of 57-73 have a six month shelf life.

FSTM: Foster Standard Test Method



FOSTER HEAT RESISTANT COATING 57-73

Caution: Combustible Mixture

Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged breathing or vapour. Avoid prolonged or repeated contact with skin.

Material Preparation

Stir thoroughly with paddle, but do not use sticks or boards which would splinter or otherwise contaminate product. We recommend use of a paint shaking machine for complete mixing of contents just before use.

Application

Surfaces must be free from oil, grease, rust or scale, since such contamination seriously affects the protective properties of the product. Apply by brush in 2 coats to prevent pinholes. Wait at least 12 hours for first coat to fully dry, before second coat is applied. To prevent blistering, bring heat up slowly after second coat is dry. Product may be thinned 15% by volume with xylol to facilitate application to metal surfaces. Product may be thinned equal parts by volume with xylol for application to bore of pipe covering and other contacting surfaces of cellular glass insulations. Do not thin more than one day's requirements.

Clean-Up

Clean tools and equipment with xylol (flammable); or Dow Chemical Company's Chlorothene[®] (non- flammable).

For industrial use only.

This data sheet is based on specifications, data and test results available to us at the time of publication. In the course of time changes herein may (have) take(n) place. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published* shelf life.

* If not applicable, within 6 months from date of supply.