

7275 Heat Resistant Aluminum Coating

Dyna Therm

Technical Bulletin
June 2003

PRODUCT DESCRIPTION

Dyna-Therm 7275 is a heat resistant, silicone base, aluminum coating, exhibiting good corrosion resistance as well as excellent adhesion to metal when subjected to high temperatures. It is formulated to provide a protective and decorative coating for most metal surfaces where exposure to heat and weather is expected.

HEAT RESISTANCE

Mild steel panels coated with 1.5 mils of 7275 were subjected to temperatures rising from 400°F to 1300°F over a period of 104 hours with no damage to the coating. This test exposed the panels to 1000°F or higher for 32 hours of the 104 hours.

EMISSIVITY

Dyna-Therm 7275 is an efficient corrosion control coating where emissivity properties above .40, at operating temperatures from 300°F to 600°F, are desired.

SALT SPRAY

After 264 hours exposure to salt spray, a cold rolled steel panel coated with 7275 showed only slight staining at the edges and no lifting or blistering was observed.

WATER IMMERSION

Panels coated with Dyna-Therm 7275 showed no signs of wrinkling or blistering after being immersed in water for 24 hours.

SURFACE PREPARATION

Apply 7275 to clean, dry surfaces. It is recommended that the surfaces be cool.

APPLICATION

7275 can be brushed or sprayed following conventional procedures for application of coatings. No primer is necessary and 7275 should be applied at can consistency. Should thinning become necessary, use toluene. Two coats of 7275 will produce a coating of 1.5 to 2.0 mils dry which is adequate for most applications.

Color	Aluminum
Viscosity (Stormer)	59 KU
Weight per Gallon	8.8 lbs
Solids	49%
Coverage	500 Sq. Ft. per gallon (1.5 mils Dry)

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CURE

Tack free drying is achieved in one hour and the coating is completely dry in 3 hours.

STORAGE LIFE

The shelf life of 7275 is 12 months when stored between 70-80°F.

CLEAN UP

Brushes and equipment can be cleaned with toluene or lacquer thinner.

SAFETY

The product described in this technical data bulletin should be protected from heat and open flame.

Consult the Material Safety Data Sheet supplied with this product prior to use.

Flamemaster does not warranty the performance of coatings subjected to fluids or fuels other than those specified by the applicable specification." "It is the responsibility of the user to determine the suitability for use utilizing the information contained in the applicable specification."

PACKAGING

7275 is packaged in gallon and 5-gallon cans.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer, which proves to be defective. Neither seller nor manufacturer shall be liable to buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.