



60-75

Foster Fire Resistive Aluminium Mastic

Colour

Aluminium

Physical form

Soft paste

Specific Gravity

1.35 kg/l (DIN 51757)

Solids Content

89.2 % (DIN 53216)

Average Coverage

First coat: 1 litre/m²
Finish coat: 1.5 litre/m²

Equivalent Application Rate

First coat: 1 litre per square metre 1 mm wet film thickness.
Second coat: 1.5 litre per square metre 1.5 mm wet film thickness (1.225 mm dry film thickness for two coats).

Drying Time

Touch: 4 hours
Through: 3 days, dependent upon ambient conditions.

Coated Surface Temperature Limits

Minus 40 °C to 80 °C

Application Temperature Limits

5 °C to 40 °C

Application

Trowel, glove or airless spray.

Water Vapour Permeance

0.02 perms (1.225 mm) dry film thickness (ASTM E398-70; 30 °C, 90% RH)

Flash Point

Wet: 42 °C (Abel)

Storage Life

12 months at 20 °C in original unopened containers.

FIRE RESISTIVE ALUMINIUM MASTIC 60-75 light reflective, water vapour barrier coating.

The product in brief

Foster Fire Resistive Aluminium Mastic 60-75 is a weather- proof water vapour barrier designed to protect insulation systems applied to equipment operating below ambient temperatures located in most industrial environments. Fire Resistive Aluminium Mastic 60-75 can be applied by glove, trowel or airless spray.

- Heavy duty water vapour barrier.
- Versatile method of application.
- Light reflective.
- High build coating.
- Certified fire rating, when dry.

Principal Applications

- Protection of most insulation types against weather and industrial environments.
- Providing a water vapour barrier for very cold processes/ storage.
- Coating for insulation systems with high fire resistance.

Description

Fire Resistive Aluminium Mastic 60-75 is a co-polymer based compound which dries to form a high build, light reflective vapour barrier coating resistant to mild acids, alkalis, aliphatic solvents and oil. When used with a reinforcing membrane it will withstand some mechanical abuse. Fire Resistive Aluminium Mastic 60-75 is suitable for use over cork, polyurethane, polyisocyanurate, phenolic and cellular glass insulation. It is not suitable for use over expanded polystyrene or other solvent sensitive foams.



FOSTER FIRE RESISTIVE ALUMINIUM MASTIC 60-75

Application

Cold storage vessels: Fire Resistive Aluminium Mastic 60-75 will provide a weatherproof water vapour barrier on cold storage vessels to reduce the transmission of water vapour towards the cold surface and avoid failure of the insulation system.

Specification/ Site Instructions

Guide Specification:

1. The mastic as detailed shall be Fire Resistive Aluminium Mastic 60-75.
2. All surfaces must be dry and free of contamination, all joints sealed and any damage made good before application.
3. Using a clean trowel apply a first coat of Fire Resistive Aluminium Mastic 60-75 at a uniform rate of not less than 1 litre/m² to give a minimum applied film thickness of 1 mm.
4. Immediately embed Open Weave Glass Cloth No. 10 into the coating whilst wet, applying a light pressure from the centre to the edge. Allow a minimum of 50 mm overlap at all adjoining edges, protrusions and terminal points.
5. Allow at least 16 hours for the first coat to dry.
6. Ensuring that the first coat is dry and contamination free apply a second coat of Fire Resistive Aluminium Mastic 60-75 at a uniform rate of not less than 1.5 litre/m² to give a minimum wet film thickness of 1.5 mm.
7. Allow a minimum of 3 days after the application is complete before putting the plant into service.

Site Instructions

Store Fire Resistive Aluminium Mastic 60-75 within a range of 15°C to 25°C for 24 hours prior to use. Cut the reinforcing membrane to the required shape and size before application of the first coat. Care must be taken during application to avoid the inclusion of air in the wet coating. Where practical, application equipment shall be cleaned, part and used containers closed and maximum ventilation made available at the end of each working session.

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. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative. 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.