

# Firwood 75

## High Temperature (HT) Resisting Paint

**Description** A coating for metal for high temperature applications up to 600°C, based on silicone resin.

**Finish** Low Sheen.

- Features**
- Use as a protective and decorative coating on metal subject to high temperatures, such as stoves, furnace chimneys and vehicle exhaust systems.
  - Heat resistant up to 600°C.
  - Apply directly to metalwork in one or two coats.
  - Also available in aerosol cans.

**Complies With** Please consult Trimite.

**Product Code** 75- .

**Volume Solids** Aluminium - 22% ± 2%; Black - 30% ± 2%; other shades may vary.

**VOC's** Aluminium - 664 g/l; Black - 525 g/l; other shades may vary.

**Colour Range** Aluminium, Black and a limited colour range.

Film Thickness & Coverage	<u>Dry</u>	<u>Wet</u>	<u>Theo. Coverage</u>
	<u>Aluminium:</u> <b>Range:</b>	10 - 20 µm	45 - 91 µm
<u>Black and other:</u> <b>Range:</b>	15 - 25 µm	50 - 83 µm	20 - 12 m <sup>2</sup> /l

Actual coverage varies considerably with factors including surface porosity, roughness, application methods and conditions.

Drying & Overcoating Times at Rec. Min DFT	<u>10°C</u>	<u>20°C</u>	<u>30°C</u>
	Surface Dry:	30 min	15 min
Hard Dry:	3 h	1 h	30 min
Overcoat Min:	3 h	1½ h	45 min
Overcoat Max:	Indefinite	Indefinite	Indefinite

**Drying:** the coating will air dry as above but will not become fully hard until heated. Until hardened, take care to avoid damage to the coating. The coating may be stoved to full cure by heating for 20 min at 200 – 220°C.

**Overcoating:** one coat is recommended. If overcoating, care must be taken to keep DFT to the minimum, or blistering and flaking may result when heated.

Drying and overcoating times can be greatly affected by method and conditions of application such as thickness applied, temperature, ventilation etc. Data above are given as a guide.

**TECHNICAL DATA SHEET****Firwood 75****High Temperature (HT) Resisting Paint**

<b>Surface Preparation</b>	<ul style="list-style-type: none"><li>All surfaces to be coated should be dry and cleaned as necessary to remove all rust, mill scale, grease and other contamination. Where necessary, remove weld spatter and grind smooth all sharp metal edges and weld seams. Consult Trimite for specific project advice.</li></ul>
<b>Mixing</b>	Thoroughly stir the coating before use. A power mixer is highly recommended. A wide-bladed stirrer is essential for adequate mixing if only hand stirring. Stir occasionally during use to maintain a homogenous mix.
<b>Mix Ratio</b>	Not applicable – single pack product.
<b>Application Conditions</b>	Throughout the application and the drying/curing time of coatings: (a) good ventilation is required; (b) do not apply when damp weather conditions are likely; (c) the substrate temperature should be at least 3°C above the Dew Point; and (d) the RH (Relative Humidity) should be below 85%. It is advisable not to apply the product when the ambient temperature falls below 5°C. The paint temperature at the time of application should ideally be 15° - 20°C.
<b>Application Details</b>	<ul style="list-style-type: none"><li>Conventional spray is recommended to achieve the low film thicknesses required. Airless spray or brush may also be used, but care must be taken to avoid excessive film thickness or blistering and flaking may result.</li><li>Initial heating of the product should be done in a well-ventilated area, as smoke and fumes may be emitted.</li></ul>
<b>Thinner/Cleaner</b>	Firwood 113 Thinner.
<b>SG</b>	1.39 ± 0.15 kg/l - Black 0.99 ± 0.15 kg/l – Silver.
<b>Flash Point</b>	23° – 60°C.
<b>Shelf Life</b>	Minimum of 2 years from date of manufacture when correctly stored in unopened containers.
<b>Storage</b>	The product should be stored in cool, dry, frost-free conditions, in sealed containers. Most paint materials will apply optimally when at 15° - 20°C.
<b>Health &amp; Safety</b>	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
<b>Date of Issue</b>	Sep 2021.

Information provided in this leaflet is given in good faith but without warranty or assumed liability, as the conditions of application and use are beyond our control. Data are accurate to the best of our knowledge at the time of issue but may be revised in the light of new knowledge and the user should check that data are current before use. The user must satisfy themselves about the product's suitability for their own purpose and refer to the Safety Data Sheet for this product before use. For industrial use only unless specifically stated otherwise.