TrimaHeat 704011
Metallic Black Matt

Description	A heat resistant coating for metal, for high temperature applications up to 600°C, based on silicone resin.
Finish	Matt Black.
Features	• Use as a protective and decorative coating on metal subject to high temperatures, such as wood burning stoves, flues and barbecues. • Heat resistant up to 600°C. • Can be applied to steel, aluminised steel, aluminium and cast aluminium. • Apply directly to metalwork as a one coat system. • Do not use over vitreous enamels.
Complies With	Please consult Trimite.
Product Code	**12 1129 704011-** .
Volume Solids	21% ± 2%.
VOC's	Below 700 g/l.
Colour Range	Metallic Black Matt.

Film Thickness & Coverage

	Dry	Wet	Theo. Coverage
Typical:	25 µm	120 µm	8.4 m^2/l

Do not exceed 40 µm dft or blistering is likely.

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

Drying & Overcoating Times
at Typical DFT

	10°C	20°C	30°C
Surface Dry:	30 min	15 min	5 min
Hard Dry:	3 h	1 h	30 min
Overcoat Min:	nr	nr	nr

nr: applying more than a single coat is not recommended, as dft may then be too high, and blistering or flaking may result. Consult Trimite for advice.

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 30 min at 250°C.

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.

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Surface Preparation	• 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.
	• Ensure all pilot lights on stoves are extinguished and previously used fires have both died down and cooled.
	• Do not apply where sources of ignition are present.
	• If overcoating previously applied coatings, it is recommended to apply a test patch to ensure compatibility between the two coatings. This product is not recommended for application over vitreous enamels.
Mixing	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 an homogenous mix.
Mix Ratio	Not applicable – single pack product.
Application Conditions	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 3ºC 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 5ºC. The paint temperature at the time of application should ideally be 15º - 20ºC.
Application Details	• Suitable for application by conventional spray or electrostatic spray.
	• Initial heating of the product should be done in a well-ventilated area, as smoke and fumes may be emitted.
Thinner/Cleaner	Trimite 113 Thinner.
SG	1.10 ± 0.15 kg/l.
Flash Point	23º – 60ºC
Shelf Life	6 months from date of delivery when correctly stored in unopened containers.
Storage	The product should be stored in cool, dry, frost-free conditions, in sealed containers. Most paint materials will apply optimally when at 15º - 20ºC.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Date of Issue	May 2024.