

# Trimite J164

## Conductive Coating Black

<b>Description</b>	An electrically conductive coating for metal and many plastic substrates.
<b>Finish</b>	Matt.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Used for Electro Magnetic Compatibility or Electrostatic Discharge (ESD).</li> <li>• The fully cured film when applied to mild steel will result in a resistivity of less than 1 ohm square. (Application over primers, or plastic substrates, may lead to resistivity above 1 ohm square).</li> </ul>
<b>Complies With</b>	Please consult Trimite.
<b>Product Code</b>	<b>J164 .</b>
<b>Volume Solids</b>	30% ± 2%.
<b>VOC's</b>	Below 635 g/l.
<b>Colour Range</b>	Black.

<b>Film Thickness &amp; Coverage</b>	<b>Typical:</b>	<u>Dry</u> 65 µm	<u>Wet*</u> 210 µm	<u>Approx. Coverage*</u> 3 - 4 m <sup>2</sup> /per kg
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\* The above wet film thicknesses and approximate coverage rates (for conventional spray) will vary with application equipment and the degree of thinning. Wet film thicknesses are approximate and are based on the typical degree of thinning recommended under 'Application Details'.

<b>Drying &amp; Overcoating Times</b> at Typical DFT	Surface Dry:	<u>10°C</u> 1 h	<u>20°C</u> 30 min	<u>30°C</u> 15 min
	Hard Dry:	48 h	24 h	12 h
	Overcoat Min:	not normally overcoated		

Trimite J164 can be air dried, but for optimum results force drying is recommended.

**Force Drying:** a 'flash-off' period of 10 minutes should be allowed for the solvents to evaporate, before using temperatures between 60°C – 80°C for a period of 30 - 40 minutes.

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****Trimite J164**  
**Conductive Coating Black**

<b>Surface Preparation</b>	<ul style="list-style-type: none"><li>• <b>Metals:</b> all surfaces to be coated should be dry and cleaned as necessary to remove all contamination.</li><li>• <b>Plastics:</b> the substrate must be thoroughly clean and free from mould release agents and static charges. Owing to the sensitivity of many plastics to certain solvents, <b>Antistatic Cleaner J131</b> should be used. It may be necessary to use a suitable static eliminator immediately prior to painting.</li><li>• <b>Priming:</b> Trimite has a range of pretreatment chemicals and primers for metals and plastics – please 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 an 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>• Designed for application by conventional spray, HVLP or hot spray.</li><li>• Thinner PT1005 may be added up to 25% by volume to obtain a suitable viscosity at application temperature.</li><li>• Adjustments to the amount of Thinner PT1005 may be required to suit other application techniques.</li></ul>
<b>Thinner/Cleaner</b>	PT1005 Thinner / J103 Gun Cleaner.
<b>SG</b>	1.20 ± 0.15 kg/l.
<b>Flash Point</b>	Below 23°C – LOW FLASH MATERIAL.
<b>Shelf Life</b>	Minimum of 1 year from date of receipt 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>	Mar 2023.

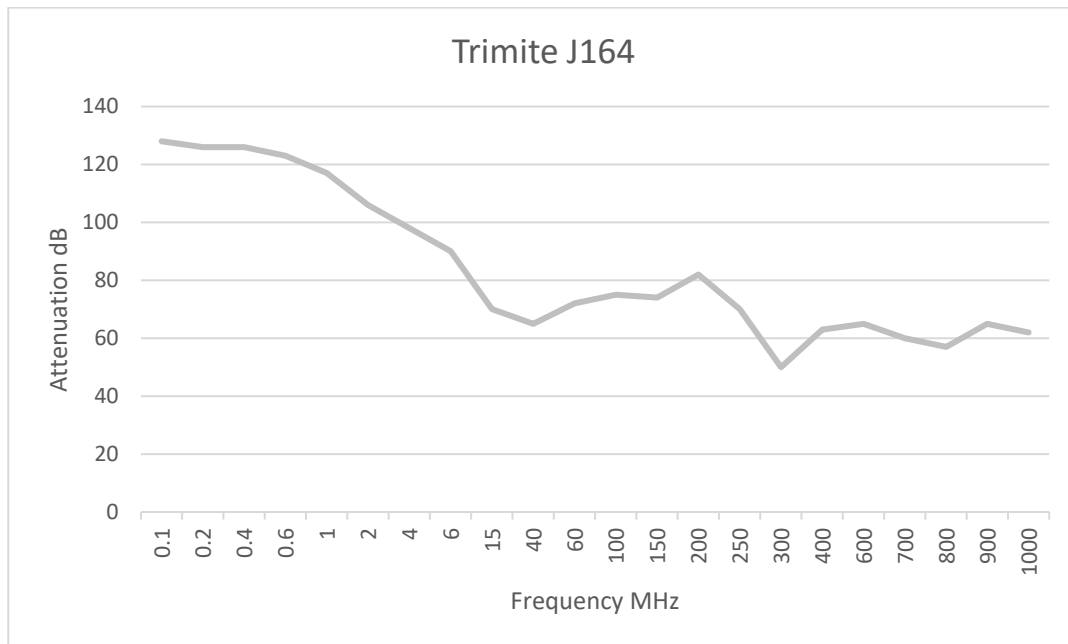
**TECHNICAL DATA SHEET**

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**Attenuation Efficiency**

Measured readings of a typical 52 micron application under actual test conditions at an independent laboratory.

Frequency	Attenuation	Frequency	Attenuation
MHz	dB	MHz	dB
0.1	128	100	75
0.2	126	150	74
0.4	126	200	82
0.6	123	250	70
1	117	300	50
2	106	400	63
4	98	600	65
6	90	700	60
15	70	800	57
40	65	900	65
60	72	1000	62



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.