

FERROCOTE 374 T1

DESCRIPTION, OPERATION & MATERIALS

FERROCOAT 374 T1 is a rust preventive providing long-term indoor protection to ferrous materials. This product deposits a thin glossy film. The film provides a optimal retention of the product over the pieces, while reducing oil dripping in the package. The residual films can be cleaned well in industrial cleaning operations.

FERROCOTE 374 T1 has excellent water displacing and separation properties. It will also provide finger print neutralisation.

FERROCOTE 374 T1 contains a package what will provide a low smell odour during operating.

- Concentration: use as received.
- Can be diluted with suitable solvent, if required after consultation with a Quaker representative.

APPLICATIONS

	Application				Type of film				Indoor Protection			
	Dipping	Brush	Spraying	Electrostatic	Waxy	Oily	Dewatering	Fingerprint suppression	0-3 months	3 - 12 months	12 - 24 months	> 24 months
Ferrous	●	●	●		●		●	●			●	
Bearing parts in Process	●	●	●		●		●	●			●	
(Bearing) parts final	●	●	●		●		●	●			●	
Brass	●	●	●		●		●	●		●		
Copper alloys	●	●	●		●		●	●		●		
Zinc	●	●	●		●		●	●		●		

The above information should only be used as a guide. In order to check the suitability for your particular application please consult a Quaker representative. The product should be applied to a clean dry component.

BENEFITS

- Good protection with thin films.
- Not sticky to most packaging papers.
- Glossy film will not drip oil in the packaging.
- Contains no Barium or other heavy metals.
- Low aromatic content.
- Water displacing and water separation properties.
- Finger print neutraliser.
- Low smell.

TYPICAL PROPERTIES - CONCENTRATE

<i>Property</i>	<i>Typical Value</i>	<i>Unit</i>
Appearance	Dark amber fluid	[-]
Kinematic viscosity	3.4	[mm ² /s, 40° C]
Density	840	[kg/m ³ , 15° C]
Flash point (COC)	>65	[° C]
Pour point	<4	[° C]
Solvent content	71	[% wt]
Drying time typically	30 – 60	[minutes]
Coverage after 24 hours	1.5 – 2.5	[g/m ²]
Copper staining	1b	[-, ASTM D 130]
Humidity cabinet protection	>60	[cycles, DIN 50017 KFW]
Salt spray protection	24	[hours, DIN 50021 SS]

FLUID MAINTENANCE

Quaker FERROCOTE products -if used properly- generally need a low level of maintenance.

For critical applications such as FINAL preservation of bearing parts it is advisable to test the following parameters periodically.

<i>Parameter</i>	<i>Test Procedure</i>
Active content	Evaporation at 80° C
Water content	Karl Fisher
Foreign debris or dirt level	Filtration over 5 µm filter
Total Acid Number (TAN)	ASTM D 974-92

It is important to pay attention at all times to the application method to ensure good water displacement properties and an evenly applied film. The 'dry film' coverage is critical to maintain the corrosion protection under good storage conditions. When re-using the overspray, it is recommended to keep a close eye on the water content of the fluid and the demulsification properties. If the overspray is stored, remember to regularly drain off any water separated prior to reapplying the FERROCOTE.

STORAGE, SAFETY & DISPOSAL

Quaker Chemical can supply this quality product in drums, in containers and in bulk. Other packages can be made available by Quaker Chemical or by distributors upon request.

As with all metalworking products, **FERROCOTE 374 T1** should be stored in dry conditions and protected from extreme temperatures: 4 - 40° C is the recommended storage temperature.

FERROCOTE 374 T1 is unlikely to present any significant health or safety hazard when used as recommended by Quaker Chemical. Good standards of personal and industrial hygiene are to be maintained by the user (see Material Safety Data Sheets).

In order to protect the environment, the product used should be safely disposed by a licensed contractor. The packaging material should be handled by a recognised reconditioning firm.

Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

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