



FERROCOAT 5802 U2

Thixotropic Protective Oil

Description

FERROCOAT 5802 U2 is a thixotropic rust preventive providing long term indoor and outdoor protection to ferrous and non-ferrous surfaces. This product deposits a slightly greasy, thixotropic film. The thixotropic nature of the product provides short drainage periods. The residual films can be cleaned well in industrial cleaning operations because the thixotropic film is readily liquefied by slightly mechanical agitation or heat.

FERROCOAT 5802 U2 has been designed specially for the final protection of bearings, being compatible with the greases normally used for lubrication.

Operations & Materials

- Long term protection of bearing, spare parts, overseas transport
- Protection for steel, steel alloys, cast iron and copper.
- The product can be applied by brushing, dipping or spraying, at temperatures ranging from 20 to 60°C. Electrostatic spray can also be used to obtain very low film thickness.
- Lower film thickness can be obtained by diluting the product with low viscosity paraffinic oil or solvents.
- FERROCOAT 5802 U2 is very thixotropic. Thus, when the product cannot be poured, a gentle mechanical agitation will decrease the viscosity and liquify it.

Advantages

- ✓ Very good protection with thin films
- ✓ Good protection on Copper and Brass
- ✓ No dripping
- ✓ Low noise (in bearings)
- ✓ Compatible with most bearing greases
- ✓ Not sticky to most packaging papers
- ✓ Contains no Barium or other heavy metals
- ✓ Very low aromatic content
- ✓ Low smell and safe flash point

Storage

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

As with all metalworking products, FERROCOAT 5802 U2 should be stored in dry conditions and protected from extreme temperature: 4 – 40°C is the recommended storage temperature.

Safety

FERROCOAT 5802 U2 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).

Disposal

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

Properties Concentrate

Property	Units	Typical
Film type	[-]	Greasy thixotropic
Appearance	[-]	Dark amber gel
Viscosity		depending on the agitation rate (thixotropic product)
Density	[mm ² /s, 40°C] [kg/m ³ , 40°C]	7.9 825
Flash point	[°C]	03
Pour point	[°C]	10 – 25
Diluent		Low viscosity paraffinic oil
Solid Content	[%]	± 30
Aromatic content of base oil	[% wt]	< 0.5
Film thickness	[g/m ²]	4 – 30 (depending on application)
Corrosion protection		
Humidity Cabinet	[Hours]	> 1500
DIN 50017 KK		
Salt spray test (5%)	[Hours]	> 100
Din 50021 SS		

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