

# KELATE®MR80C

## Product information

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### DESCRIPTION

Kelate®MR80C is a water reducible chelating compound that has been designed for field application to hot rusted steel when surface temperature is in the range of 40-60°C or 104-140°F.

### PERFORMANCE

Kelate®MR80C is a reactive conversion coat that passivates residual rust on steel and stabilises flash rusting. It transforms iron oxides into a stable and insoluble metallo- organic complex which is ready for painting after reaction.

#### Surface preparation

It is assumed that prior to treatment the steel surface has been cleaned of dirt and grease, and that the heavier layers of rust have been removed by scraping, wire brushing or blast cleaning.

Typical surface preparation corresponds to grade St2 of the International Standard ISO 8501-1.

#### Application

One single application without excess.

#### Application method

Brush: a stiff brush can assist penetration into the rust.

Application by roller or pneumatic spray is acceptable.

#### Reaction

Paint must not be applied on Kelate while it is reacting with the rust.

The reaction time is 24 hours and is characterized by the surface turning a blue-black colour.

#### Paint systems

Most metal protective paints can be used on top of Kelate, for example: alkyd systems, modified alkyds, epoxies, urethanes, acrylics and vinyls.

### TYPICAL PROPERTIES

Viscosity Ford Cup N°4.... 12 sec.

Specific gravity  
g/cm<sup>3</sup>.....1.04

pH.....1.3

VOC %..... 12

### FORMULATION

Kelate®MR80C is supplied as a concentrate to the surface coating industry.

The ready-to-use material is prepared from the concentrate using the following ratios for reduction:

Kelate MR80C: 50.0%

Water: 50.0%

Dilution is made under good stirring (400-500rpm) during minimum 5 minutes in stainless steel, glass lined or plastic tank.

Plastic containers are recommended for packing the diluted product.

### LABELLING

The ready-to-use material when prepared from the concentrate as suggested above, is not liable to classification and labelling.

### STORAGE

Storage temperature from 5° -35°C protected from freezing and bright sunshine.

It is recommended to dilute the concentrate within 6 months from reception.

### HANDLING PRECAUTIONS

Refer to the Material Safety Data Sheet for KELATE®MR80C.