Pugh&Co. INTERNATIONAL EST. 1947

Product Information

KELATE®MR6

DESCRIPTION

Kelate®MR6 is a water reducible chelating compound that has been designed for field application to rusted steel which has been hand or power cleaned, or blasted.

PERFORMANCE

Kelate®MR6 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.

Kelate®MR6 is an excellent adhesion promoter for subsequent coating system and is particularly recommended when surface preparation does not provide the ideal surface profile for good coating adhesion.

Guidelines for the user
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 3 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….. 11 sec.

Specific gravity
g/cm3……..…..1.03

pH……1.3

ADVANTAGES

- ✓ **Highly reactive conversion coat**
- ✓ **Excellent adhesion promoter**
- ✓ **Zero VOC systems.**

FORMULATION

Kelate®MR6 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 MR6: 67.0%
Water: 33.0%

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®MR6.

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.
05.24