

Technical Data Sheet

SMARTCHECK MPI WHITE

General Description

SMARTCHECK MPI WHITE is a new generation, rapid drying white contrast paint formulated specifically to provide a white background to enhance indications in visible Magnetic Particle Inspections.

SMARTCHECK MPI WHITE provides a high opacity smooth matt white finish giving excellent colour contrast when darker steels are being inspected.

SMARTCHECK MPI WHITE does not contain chlorinated solvents and is very low in aromatic hydrocarbons, to minimise toxicity. SMARTCHECK MPI WHITE is low in sulphur and halogens.

Method of Use

Surface temperature should be between 0°C and 50°C.

The component to be inspected should be first cleaned to remove paint, grease, rust, scale or other contaminants.

SMARTCHECK MPI WHITE should be mixed thoroughly before spraying a light even coating to the area of inspection on the component. The coating will dry almost instantly under normal conditions.

Brush application of SMARTCHECK MPI WHITE is not recommended as it is more likely to produce an uneven coating.

The component should then be magnetised using appropriate means and well mixed SMARTCHECK MPI BLACK applied. Ensure that magnetisation is continued for a few seconds after application of SMARTCHECK MPI BLACK.

Indications will appear as black lines around flux leakage fields.

SMARTCHECK MPI WHITE and SMARTCHECK MPI BLACK are readily removed using SMARTCHECK MPI CLEANER.

Typical Properties (Not a specification)

Appearance: White mobile liquid

Density (g/mL): approx. 0.95

Flash Point: -18°C (Bulk)

-40°C (Aerosol)

Specifications

SMARTCHECK MPI WHITE conforms to:-

BS 5044 ISO 9934-2

ASTM E-3024 AS 1171

Effects on Materials

SMARTCHECK MPI WHITE should not have any adverse effects on steel or most other metals. The product will degrade most plastics and rubbers. Butyl rubber and EPDM should not be affected by SMARTCHECK MPI WHITE, however, users are advised to check the compatibility.

Storage

SMARTCHECK MPI WHITE should be stored under good warehousing conditions out of direct sunlight and away from heat sources. The aerosols must be stored below 50°C.

Safety

SMARTCHECK MPI WHITE is flammable. Use with adequate ventilation and away from sources of ignition or intense heat.

Refer to the SDS before using this product.

Packaging & Product Codes

MPIWA - 300g Aerosols

MPIW5 - 5 L Drums

MPIW20 - 20 L Drums

Disclaimer

The information in this document is provided free of charge and is based on technical data that we believe is accurate and correct. It is intended for use by persons having technical skill and at their own discretion and risk. We accept no liability for any loss, damage or expense arising from the use of this information

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