

TECHNICAL DATA SHEET

DUBL-CHEK CP-2

WHITE CONTRAST PAINT

Description: DUBL-CHEK CP-2 is a specially formulated, fast drying, low odour white paint that provides a high contrast background for interpreting magnetic particle results. CP-2 enhances the visibility of indications under visible light conditions when the background material has a similar colour to the particles. When dry, CP-2 is resistant to wet suspension fluids, but is easily removed with DUBL-CHEK DR-64.

Properties

Colour: White
Odour: low petroleum smell
Aerosol Coverage: Approx. 60 linear meters (equates to approx. 15-20m of 25mm weld & HAZ)
Temperature limit: 4°C to 50°C

Companion DUBL-CHEK Products

BO-1 Magnetic Particle Oil or Water Dispersion Black Oxide No.1 Particles
MPF – Magnetic Particle Fluid W5C – Water Conditioner DR-64 Remover

Packaging

Aerosol (12 per carton) Product Code: 1504/400
3.8L Product Code: 1504/42
18.9L Product Code: 1504/51
208L Product Code: 1504/64

Storage /Shelf Life

Keep away from moisture and sunlight.
Keep the container closed when not in use.
Shelf life: 36 months (3 years) from date of manufacture.
Refer to NDT Shelf Life and Storage Recommendations for further information.

Specifications

Manufactured in accordance with ISO 9934 this Magnetic Particle Inspection white contrast paint can be used with the following standards, but not limited to, ASME Boiler and Pressure Vessel Code Section V, ASTM E709, ASTM E1444 and AS 1171.

Batch Numbers

Batch numbers can be found on the bottom of aerosol cans or labels of bulk containers. Certificate of Conformance documents are provided with the product or can be downloaded from www.callington.com

Special Features

Every aerosol contains two nozzles for comfort and multiple spray patterns.
High contrast, fast drying and low odour.
Aerosols offer convenience and portability.
More coverage for every application.
Solvent removable.

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Instructions

Note: These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specifications and/or inspection criteria provided by the contracting agency.

1. Clean the test surface and allow it to dry.
2. The longer **CP-2** is stirred or agitated the more uniform the spray.
3. Apply a thin coat of **CP-2** contrast paint to the inspection area from a distance of approximately 150mm from the surface.
4. Wait approximately 20 seconds, depending of ambient temperature, for the paint to dry.
5. Magnetise the area to be inspected.
6. Ensure continuous agitation of the suspension fluid. If using an aerosol, shake vigorously before and during inspection.
7. Apply the suspension to the test part.
8. Allow the excess oil/water to run off the inspection area.
9. Inspect the surface under visible light.
10. Collections of particles will reveal discontinuities at the leakage fields.
11. Clean and repeat the process; changing the orientation of the magnetising direction.

Health & Safety

DUBL-CHEK CP-2 is flammable and when packaged within an aerosol is extremely flammable. Use with adequate ventilation and away from spark, fire or open flames. Avoid prolonged or repeated contact with skin. Do not breathe gas, fumes, vapour or spray. Consult the MSDS for more Safety and Health information.

Get medical attention if irritation develops and persists. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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