

MAGNAVIS WCP-2

WHITE CONTRAST PAINT

General Description

Magnavis WCP-2 is a ready-to-use, rapid-drying white contrast paint. It produces an opaque white background to enhance visible indications on dark-coloured test surfaces.

WCP-2 is suitable for use in both dry method and wet method magnetic particle inspection

Composition

WCP-2 consists of inert inorganic pigments and an acrylic binder in a solvent blend based on acetone.

It is low in sulphur and halogens, and contains no chlorinated hydrocarbons.



Typical Properties (not a specification)

| Property | WCP-2 |
|-----------------------|--------------------------|
| Form & Colour | Mobile white liquid |
| Flash point | -18 deg C (Bulk) |
| Density | 0.93 g/cm ³ |
| Boiling Point | 56 deg C |
| Solids Content | 20% |
| Viscosity at 20 deg C | < 200 mm ² /s |
| Storage temperature | 10 – 30 deg C |
| Usage temperature | 5 – 50 deg C |

Like all Magnaflux materials Magnavis WCP-2 is closely controlled to provide unique batch to batch consistency and uniformity to assure optimum process control and inspection reliability.



Method of Use

- Clean the component before testing to provide a suitable test surface.
- Shake the WCP-2 to ensure the paint particles are evenly distributed.
- Apply a thin, even film of the paint to the test surface by spraying, dipping or brushing. Allow to dry.
- Apply magnetic particles to the test surface and observe any indications formed around leaks/defects.
- If the test material has a high retentivity, indications will remain visible; otherwise, the indications will slowly fade.
- After inspection, demagnetize the test part before cleaning. The dried paint film can be removed using a wire brush or a common solvent, such as acetone.

Specification Compliance

| Specification | WCP-2 |
|-------------------------|----------------------------|
| ASME B & PV Code, Sec V | ✓ |
| EN ISO 9934-1 | Para. 7 & 10 as applicable |
| EN ISO 9934-2 | Para. 7 as applicable |
| ISO 9934-2 | ✓ |
| BS 5044 | ✓ |

Availability

WCP-2 is available as aerosols, part number **F03031**

Health and Safety

- Safety Data Sheets for this product are available on request from your Magnaflux distributor or via the Magnaflux website (www.in.magnaflux.com).
- Read the relevant Safety Data Sheets before use.

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