

BYCOTEST 104A 104plus



WHITE CONTRAST PAINTS

General description

104A and 104plus are ready-to-use, rapid-drying white contrast paints used to provide a white background to enhance visible magnetic particle indications. They give a particularly good contrast to our black magnetic ink, 103, ensuring that even the smallest indication can be seen.

Both paints produce a thin dry film, giving a high-opacity, semi-matt finish. They are low in sulphur and halogens, and contain no chlorinated hydrocarbons.

Typical Properties (not a specification)

Property	104A	104plus
Form and colour	White mobile liquid	White mobile liquid
Composition	Inert inorganic pigments and acrylic binder in a solvent blend based on ethanol.	Inert inorganic pigments and acrylic binder in a solvent blend based on acetone.
Flash point (aerosol)	-41°C	-40°C
Density	1.05 g/cm ³	0.93 g/cm ³
Boiling point	ca. 80°C	56°C
Sulphur content	< 200 ppm	< 200 ppm
Halogen content	< 200 ppm	< 200 ppm
Storage temperature	10°C to 30°C	10°C to 30°C
Usage temperature	-5°C to 50°C	-5°C to 50°C

Like all Magnaflux materials, our contrast paints are closely controlled to ensure batch-to-batch consistency, optimum process control and inspection reliability.

General Method of Use

- **Clean** the component before testing with our C10 cleaner, to provide a suitable test surface.
- **Shake** to ensure that the paint particles are evenly distributed.
- **Apply** an 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**, the components should be properly demagnetised before cleaning. If required, the dried paint film can be removed using a wire brush or with our C10 or C15 cleaner.

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Recommended Products

Product type	Product Name(s)
Black magnetic ink	103
Removers	C10 and C15

Specification Compliance

Specification	104A	104plus
ASME B & PV Code, Sec V	✓	✓
EN ISO 9934-2	✓	✓

Availability and Part Numbers

104A	104plus
 400 ml 008A251 (x 12)	 400 ml 008A253 (x 12)

Health and Safety

Read the relevant Safety Data Sheet for this product before use. Safety Data Sheets are available on request from your Magnaflux distributor or via the Magnaflux website:

www.eu.magnaflux.com