

BYCOTEST[®] 104A, 104plus



White Contrast Paints

General description

BYCOTEST[®] 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 |
| Coverage | 10 - 15m ² per 400ml aerosol | 10 - 15m ² per 400ml aerosol |

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.

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 | ✓ | ✓ |
| GOST R ISO 9934-2-2011 | ✓ | ✓ |

BYCOTEST[®] 104A, 104plus

Availability and Part Numbers

| 104A | 104plus |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  400 ml |  400 ml |
| 008A251 (x 12) | 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