



# Magnetic Particle Testing

Product information

MR<sup>®</sup> 721 White contrast paint



## MR<sup>®</sup> 721 White contrast paint, aqueous

for magnetic particle inspection according to DIN EN ISO 9934 part 1

### General appearance and composition:

- Coating material, water dilutable, based on synthetic resin
- MR<sup>®</sup> 721 White Contrast Paint, aqueous serves to lighten the surface of the work piece when performing coloured magnetic particle inspection with black MR<sup>®</sup>-magnetic powder products.
- Forms a smooth white film
- Testing security is guaranteed at work piece temperatures between +15 °C and +50 °C
- Air-drying
- Drying time very much depends on the surrounding conditions and the kind of application. An ambient temperature of at least + 15 °C is recommended.
- MR<sup>®</sup> 721 White Contrast Paint, aqueous meets the requirements of DIN EN ISO 9934 part 2 and may be identified as „free of corrosive ingredients according to DIN EN ISO 9934 part 2“.

### Relevant approvals and specifications

- Type testing in accordance to DIN EN ISO 9934 part 2
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

### Application:

- Remove fat and oil (e.g. with MR<sup>®</sup> 71 Paint Remover) as well as tinder, rust and other contaminations from surface in a suitable manner
- Allow material to warm to room temperature before application. Application must take place above the dew point, i.e. water vapour in the air must not condense on the surface resp. the object freshly coated with MR<sup>®</sup> 721.
- Stir up MR<sup>®</sup> 721 White Contrast Paint, aqueous well and apply a thin film (layer thickness max. 40 µm) on the surface. Allow to dry.
- Apply black MR<sup>®</sup> Magnetic powder product on the surface during magnetization (e.g. with a MR<sup>®</sup> Hand yoke)
- Discontinuities will appear as black magnetic particle indications on the white surface
- After documentation the surface can be cleaned with MR<sup>®</sup> 71 Paint Remover or MR<sup>®</sup> 88 Remover
- Clean equipment with water immediately after application; do not allow rests of material to dry inside equipment

### Minimum shelf life:

- Will keep for a minimum 1 year, stored at room temperature
- Protect from frost

### Pack sizes:

- 1 kg, 5 kg

12.02.2014/db