

Product **FLUXO 4** Reference **TDS192A** Date **01/05/2013** Page **1/1****FLUXO 4**  
White Contrast Paint  
for Magnetic Particle Inspection

**Inspection** : The part is subjected to an intense magnetic flux, which is deviated by the presence of a defect. This escape attracts the particles of the product and the defects now are clearly visible as fluorescent or black lines.

**Composition** : **FLUXO 4**: quick drying white paint, which is designed specifically for use in the colour contrast method of magnetic particle inspection. **FLUXO 4** provides a dense white background against which black or red indications of defects can be seen readily. **FLUXO 4** is ideal for use with either oil based **FLUXO 3** or water based magnetic inks **FLUXO 215**.

**Use** : This Magnetic particle examination is used for the detection of emerging defects in all ferromagnetic materials. Applicability: Aeronautics, Automobile, Railway, etc...

Components are magnetised and **FLUXO 3** is applied to the test area, normally by spraying immediately prior to and during magnetisation. Application of **FLUXO 3** should cease before the magnetisation is switched off. Defects will show up as well defined black indications and inspection should take place in good white light of at least 500 lux.

It is not practical to use **FLUXO 3** on dark coloured substrates as it would be difficult for the inspector to identify indications against the dark background. For this reason, **FLUXO 4** is frequently used to provide a contrasting white background against the black indications thereby enabling the inspector see and interpret indications more easily. (Alternatively, fluorescent fluids such as **FLUXO 6** may be used, but this requires the availability of a UV Light)

**Specifications** :

- **NF EN ISO 9934-2**
- **AMS 2641 Type 2 Vehicle, Magnetic Particle Inspection, Petroleum Base**
- **AMS 3041D Magnetic Particles, non-fluorescent, Wet method, oil vehicle, ready to use**
- **ASTM E1444-01- Section 5.8**
- **ASME BOILER AND PRESSURE VESSEL CODE, SECTION V, 2004 Ed**
- **RCC-M - Ed 2000 - Tome III**
- **Low in Sulphur & Halogens (Nuclear Quality)**
- **ASTM SE-709**

**Characteristics** : **FLUXO 4** is in conformity with the international standard **ISO 9934-2** concerning magnetic particle inspection products, in particular on the following points:

- ✓ Aspect & colour: white mobil liquid
- ✓ Density : 0.99 (15°C)
- ✓ Flash Point : < 0°C

**Packaging** : 500mL AEROSOL CAN

**SREM Technologies can make any modifications**