

FLUXO RD1

Dry Developer for Penetrant Testing

General Appearance & Composition

- Dry Developer - form a - for fluorescent Penetrant Testing
- **FLUXO RD1** is a white fluffy powder supplied ready to use. It forms a thin white film for a contrasting background around penetrant indications, which enhances the visibility of ultra-fine discontinuities.
- **FLUXO RD1** is a mixture of inert white particles
- Processing Temperature: 10° to 50°C
- Associated products: All fluorescent penetrants / FLUXO RANGE
- Manufacturer: SREM TECHNOLOGIES



Approval & Specifications

- NF EN ISO 3452-2
- ASTM E1417 - Paragraph 5.1
- ASTM E165 - Paragraph 7.1
- SAE - QPL- AMS 2644 - Developer - Form a
- SAFRAN - Pr-5000
- AIRBUS - AITM6-1001 - *Penetrant Inspection*
- BOEING - BBS7039 - *Liquid Penetrant Inspection*
- ROLLS ROYCE - RRP 58003
- AIRBUS Helicopters - EI070 09-023
- ROLLS ROYCE - CSS232
- GOODRICH - ST2452
- SAFRAN HELICOPTERS ENGINES - CCT 00418
- GE - General Electric Company P3TF2 - P3TF47
- LIEBHERR AEROSPACE - MFT0253

Properties

- Aspect: White solid particles
- Bulk Density (20°C) : 100g/l
- Compatible with any metal & many synthetic materials

Instructions for Use

- Cleaning: Remove rust, tinder and all contaminations from the part with **FLUXO** cleaner
- Application of Penetrant: Apply **FLUXO** Fluorescent Penetrant: Application by immersion, spraying, brushing, dipping, etc... Allow to penetrate for at least 10 minutes.
- Removal: Remove the excess penetrant from the surface under UV Light, with water. If you can't or don't want to use water, remove the excess penetrant with solvent **FLUXO S190**.
- Drying: Begin drying procedure immediately after water wash.
- Developing: Apply **FLUXO RD1** developer on the part, with an electrostatic spray gun or a powder ball, achieving a thin, uniform layer.
- Inspection: Parts shall be inspected under UV Light as per ISO 3059 standard requirements. Surface defects will appear as fluorescent indication.

Before using any developer, ensure the test surface is clean, free from excess penetrant, and dry. With fluorescent penetrants, indications will shine bright yellow/green under UV light. If you see a general greenish film, it means the penetrant was not completely removed. Apply the developer by dusting, powder puffer, powder storm or electrostatic spray. Allow a development time of at least 10 minutes before inspecting under UV(A) light. After inspection, developer residue can be removed by wiping with a cloth, or by a water.

Shelf Life

- Minimum of 5 years, stored at room temperature. Keep away from moisture.
- NON-DANGEROUS product - please refer to the Safety Data Sheets

Pack Sizes

- 1kg