

Performance you can trust

## FLAWFINDER DYE PENETRANT NDT Crack Detection Spray

**FLAWFINDER Non-destructive inspection system is designed to provide a fast reliable method for visual detection of cracks or flaws which would not normally be visible to the naked eye. Ideal for the inspection of welded joints, castings, forgings etc...**

**FLAWFINDER DYE PENETRANT is an aerosol applied red dye which is designed to penetrate into the finest cracks and flaws to facilitate detection when used in conjunction with FLAWFINDER DEVELOPER and FLAWFINDER CLEANER Sprays.**

### Features

- Highly visible red dye.
- Detection can be carried out under natural or electric light.
- Easily removed by solvent or water washing.
- Convenient and easy to use.

### Directions for Use

- Shake aerosol well before use.
- Apply from a distance of 15-20cm.

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BS EN ISO 9001  
Certificate No. FM 12448



BS EN ISO 14001  
Certificate No. EMS 67596



OHSAS 18001  
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## Application Method

1. Clean the area to be tested with FLAWFINDER CLEANER SPRAY (No.1) and wipe thoroughly with a tissue or a lint-free cloth to ensure the surface is clean, dry and free of contaminants.
2. When the surface is completely dry apply FLAWFINDER DYE PENETRANT SPRAY (No.2) to cover the test area and allow a minimum contact time of 10 mins. Finer definitions may require longer contact time.
3. Once the contact time has elapsed, the excess penetrant should be removed from the surface with a tissue or lint-free cloth wetted with FLAWFINDER CLEANER (No.1).
4. Apply a THIN film of FLAWFINDER DEVELOPER SPRAY (No.3) to the test area and leave for a minimum of 10 mins for the Developer to draw up the retained Penetrant from any flaws or cracks.
5. Suspect areas should then be examined under natural or electric light for signs of flaws and/or cracks.

Cracks will show up as lines whilst porosity will appear as pin holes.

If the results are inconclusive repeat the process taking greater care when removing the excess penetrant.

**N.B.** Do not spray the Cleaner directly onto the surface as the Penetrant could be flushed out of flaws.

<b>Propellant</b>	Carbon dioxide
<b>Solvent</b>	Isoparaffinic hydrocarbon
<b>Appearance</b>	Deep red
<b>Storage</b>	Storage temperature should be kept below 50°C. Storage area should be out of direct sunlight.
<b>Pack sizes – Part Codes</b>	300ml - 63151

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