



Product Data

JAP Dye Penetrant

Dye Penetrant Inspection Process

JAP is a deep red mobile liquid under white light. The product is a high grade Solvent Removable Visible Red Dye Penetrant. It utilises a hydrocarbon carrier with additives to help give it the "Searching" properties required.

Typical Properties

| | |
|--------------------|-------------------|
| Form | Red Mobile Liquid |
| Density | 0.81 |
| Flash Point | >10 0°C |

Method of Use

Spraying (Including Aerosols), brushing or immersion.

JAP is applied to clean grease free surfaces. If coatings are present they must be removed. Surfaces must initially be degreased using JAC-2 cleaner. The Penetrant is allowed a contact time on the surface of between 15-30mins. If applied and allowed to drain for longer than 30mins, the product must be re-applied before Penetrant Removal is undertaken.

Surface Penetrant Removal is undertaken by wiping with a lint free cloth impregnated with JAC-2. After surface removal of Penetrant, a thin film of Developer is immediately applied (Either JAD or JAD-2 products are compatible)

Large defects will appear almost instantly as red indications. Finer defects may require up to 10mins to appear. Examine under white light of 500Lux or more.

Always ensure there is adequate ventilation, remove sources of ignition and read the COSHH info.

JAP can be used in conjunction with **JAD**, **JAD-2** and **JAC-2** Penetrant Materials

The Dye Penetrant System provides a high level of integrity when used on welded fabrications, pressure vessels, structures, pipes, castings, forgings and many other non-ferrous and ferromagnetic components. (Although ferromagnetic components are usually tested for surface breaking defects using the MPI Process)

Specification Compliance

JAP Complies with BS EN ISO 3452-2 and is a type 2 classification

COSHH – Please read the relevant COSHH for this product.

Alternative Products

JAP - WW (Water Washable or Solvent Removable Visible Red Penetrant)

Neon WW (Fluorescent Water Washable / Solvent Removable Penetrant – Requires High Intensity UV for examination)

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