Ardrox 907PB Aerosol

Visual Red Dye Aerosol Process

Description

Packed in aerosols, the **Ardrox 907PB** process provides an effective portable method of flaw detection. These products do not contain chlorinated solvents and are particularly low in chloride and sulphur contaminants.

It consists of:

ARDROX 907PB	Red Dye Penetrant
ARDROX 9PR50C	Precleaner and Penetrant Remover
ARDROX 9D1B	Developer

The process conforms to AMS 2644 Type II Methods A and C, and complies with ASME Boiler and Pressure Vessel Code.

These products exceed international laws regarding ozone depleting substances and comply with Australian and New Zealand legislation regarding aerosol products.

The **Ardrox 907PB** Flaw Detection Process is used as a local inspection method to find cracks, porosity and similar surface discontinuities in all types of metals, ceramics and certain plastics. It has wide uses in the general engineering industry.

Where large structures are encountered **Ardrox 907PB** may be more easily used as a water washable penetrant and excess penetrant removed with water.

Method of Use

Essentially the process consists of the following stages:

1. Ensure that the surface to be inspected is free from rust, scale, carbon, paint, oil or grease. Clean the area to be inspected with Ardrox 9PR50C.

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2. Apply **Ardrox 907PB** to the area to be inspected and allow the penetrant to remain on the surface for 10-30 minutes. Remove as much as possible of the excess penetrant by wiping with a clean cloth or tissue. Remove the remaining excess penetrant with a cloth or tissue moistened with Ardrox 9PR50C or water

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3. Spray a thin even film of Ardrox 9D1B onto the surface and leave for 10 minutes

4. Inspect for defects in daylight or good artificial light. Cracks, folds or cold shuts are revealed as red lines and porosity as a series of dots.

Effects on Materials

The process is safe to use on all metals. Some plastics may be degraded by the solvents and this should be checked before use where such materials are likely to be encountered.

Chemical and Physical Properties

	Flash Point	Lower Exposure Limit
Ardrox 907PB	>100°C P.M.C.C	1 – 12%
Ardrox 9PR50C	Minus 7°C Closed Cup	1 – 5%
Ardrox 9D1B	Minus 20°C Closed Cup	2 – 13%

These are typical values only and do not constitute a specification.

Packaging

Available in cartons of 12 aerosols.

Safety, Transport and Storage Information

Please refer to the Safety Data Sheet.

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