

9D - Dry Powder Magnetic Particles

DESCRIPTION

ZChek 9D Red is a brilliant red coloured free flowing magnetic particle powder used in dry method magnetic particle inspection. The brilliancy of the colour will provide perfect contrast on most of the ferromagnetic materials and its alloys. This dry method magnetic particle inspection is performed under normal visible light which makes the colour of the powder very clear. 9D Red is formulated with selected particle size and shape, so as to locate surface and near surface discontinuities in ferrous materials.

FEATURES/BENEFITS

- Free flowing, perfect particle mobility and quick particle build up near the leakage field.
- Brilliant red, good contrast against natural metal color.

APPLICATIONS

Detect discontinuities in welds, large forgings, and castings.

TYPICAL PROPERTIES

Form	Free flowing powder
Color	Brilliant Red
Particle Size	80 Microns
SAE Sensitivity	8 (Ketos Ring)
Upper Temperature Limit	315°C



CONFORMANCE / SPECIFICATION

- ASM E B &PV Code, Sec V
- AMS 3040
- ASTM E 1444/E 1444M
- ASTM E 709
- EN ISO 9934-2

DIRECTION FOR USE

- Apply a fine layer of 9D red to test area with a powder dispensing device, such as a powder spray bulb or powder blower.
- As the current is being applied, dust the powder over the part.
- Gently blow the excess powder off while the magnetic current is flowing.

PACK SIZES

4 kg X 4 Nos-1 Carton box

HEALTH & SAFETY

Information on health & safety is made available through material safety data sheets and the same can be reviewed through the company's website www.zchem.in.



STORAGE & SHELF LIFE

Packed powders have a shelf life of 5 years if unopened and stored as per ZChem recommendations.

Manufactured By:

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Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.