

ARDROX[®] 8032

A Black Particle Aerosol Product Used for Visible Magnetic Particle Inspection

PRIMARY APPLICATION

Ardrox[®] 8032 is a black particle aerosol product for use in white light inspection. ARDROX 8032 is designed for revealing very fine defects, such as those found in finished products and structural applications, normally used with Ardrox 8901W white contrast paint.

CHEMICAL CHARACTERISTICS

Appearance.....	Black
Particle Size	Not less than 98% passage through US Standard No. 325 (45 µm) sieve
AMS 3042	The typical range of particle sizes is from 0.5µm to 4.0µm, with an average particle size of 1.5µm.
Sensitivity	Ardrox 8032 shows a minimum of 6 lines on an AISI 01 Ketos tool steel ring

APPROVALS

Ardrox 8032 is approved by MIL-STD-1949, AMS 3042, AMS 3043, MIL-STD-271, NAVSEA 250-1500-1, ASTM E-1444 and others. Speak to your Chemetall representative for a complete list of approvals.

APPLICATION PROCEDURE

- For best results use at temperatures between 70° and 90° F (21° to 32° C).
- Thoroughly clean surface to be examined with a product like Ardrox 9PR50.
- Holding can 7 to 9 inches from the surface of the part to be tested.
- Apply a thin coating of a white contrast paint like Ardrox 8901W and allow to dry for at least 30 seconds.
- Apply a thin coating of the Ardrox 8032 magnetic particle spray, either while applying Magnetizing Current or over the white contrast paint. Allow the coating to dwell for no more than 45 seconds.
- Examine the surface under white light for indications.
- Parts can be cleaner after inspection using the Ardrox 9PR50

NOTES ON USE (see Safety Data Sheet)

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Safety Data Sheets should be read and understood by all personnel in contact with these materials.

If clogging develops, turn spray button ¼ turn. If clogging continues, remove and clean spray button. **Do not** put pin or other object into can opening. Gently replace spray button with a twisting motion, holding top of can and spray button opening pointed away from you.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Dry indoor storage at temperatures between 40°F and 100°F (4.4°C and 37.8°C) is recommended, away from any incompatible materials referenced in the Safety Data Sheets. All containers should be tightly closed when not in use.

SHELF LIFE

The shelf life for Ardrex 8032 is 3 years.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, providential and local regulations. The process solution can contain components other than those present in the materials as supplied. Analysis of process solutions may be required prior to disposal.

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