

Non-Fluorescent Fluid For Magnetic Particle Inspection

ZChek-9E Black is a high performance non-fluorescent black magnetic particle powder suspended in the ZChek-801 cart oil specially designed to carry the MPI powders. ZChek-9E Black is used in detection of surface & near surface discontinuities in Ferromagnetic materials and its alloys. 9E Black will give best results when used in combination with ZChek-WP white contrast paint.

FEATURES / BENEFITS

Ready to Use

Ease of Operation

High Sensitivity

High Performance

Jet Black

Excellent Visibility

Non-Toxic

Environmentally Acceptable

Low On odor

User Friendly

High Flash Point

Safe in Open Areas

APPLICATIONS

ZChek-9E Black is used to form indications while performing magnetic particle inspection using non-fluorescent powders for welding defects, fabrication pressure vessels, castings, forgings, railways, power plants, oil & gas, maintenance etc.

CONFORMANCE / APPROVALS

- ASME B & PV Code, Sec V
- EN ISO 9934-2
- ASTM E709
- ASTM E1444
- AMS 3041
- AMS 3043
- AMS 2641
- AS 1171

TYPICAL PROPERTIES

	Physical form	Liquid with jet black powder
	Mean Particle size	< 2 microns
	SAE Sensitivity	6 minimum
	Settling Volume	1.2-2.4 ml
	Flash point	NA Aerosol
	Flash point bulk	93 °C / 200 °F

DIRECTIONS FOR USE



01

Pre Cleaning

Use ZChek-CR/ZChek-CL



02

Apply White Contrast

Use ZChek-WP



03

Magnetise the Part

Direct Magnetisation or Indirect Magnetisation



04

Particle Application

Use ZChek-9E Black & Ensure uniform coverage of inspection area



05

Inspection

Inspect under proper lighting
Visible Light: ≥ 1000 lux

Usage Temperature: +41 to +122 °F / +5 to +50 °C

Storage Temperature: +50 to +122 °F / +10 to +50 ° C

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.

PACK SIZES



**12 cans in
one carton Box**

Part #213601

STORAGE & SHELF LIFE

Aerosol cans have a Shelf Life of 3 Years, if unopened and stored as per ZChem recommendations.

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.

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