

# FB - Fluorescent Fluid for Magnetic Particle Inspection

## DESCRIPTION

ZChek - FB is a fluorescent fluid packaged in the aerosol can. The product is designed to be ultra-highly sensitive particle which is used to detect very fine discontinuities in any ferromagnetic materials generally used in aerospace/aviation, forgings, steel bars, billets, automobile components, machined and heat-treated components or other engineering applications using wet method fluorescent magnetic particle inspection.

## CONFORMANCE / SPECIFICATION COMPLIANCE

- ASM E B &PV Code, Sec V
- AMS 3044
- AMS 3046
- ASTM E 1444/E 1444M
- ASTM E 709
- EN ISO 9934-2

## APPLICATIONS

ZChek FB is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.



## TYPICAL PROPERTIES

<b>Colour Under White Light</b>	Dark Brown
<b>Colour Under Black Light</b>	Yellow Green Fluorescence
<b>Mean Particle Size</b>	6 Microns
<b>Particle Size Range</b>	1-16 Microns
<b>Sensitivity</b>	8-9(Ketos Ring)
<b>Max. Operating Temperature</b>	49 °C Maximum
<b>Settling Volume</b>	0.1-0.4 ml

## DIRECTIONS FOR USE

- Shake ZChek FB till rattling sound is heard
- Spray directly on the part surface while the magnetizing force is on.
- Stop spraying just before stopping the magnetizing force
- Inspect under UV lamp of minimum 1000 micro watts per cm. sq intensity.

## PACK SIZES

- Aerosol Can of 520 ML can.



## 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](http://www.zchem.in).

## STORAGE & SHELF LIFE

Aerosol Cans have a Shelf Life of 3 Years and the Bulk Packing of 5 years if unopened and stored as per ZChem recommendations.

## Manufactured By:

### ZChem Specialities Pvt. Ltd.

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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.