

Water Washable Fluorescent Penetrant

Type 1 Method A Sensitivity Level 2

DESCRIPTION

ZChek-FP2 is medium sensitivity Water Washable Fluorescent Penetrant designed for detecting discontinuities in castings, forgings, extrusions, and other metal surfaces. FP2 is built with excellent sensitivity and washability properties which makes it unique with zero background fluorescence.

ZChek-FP2 is listed on the QPL SAE AMS 2644.

CONFORMANCE / APPROVALS

- AMS 2644
- ASME B & PV Code, Sec V
- ASTM E165
- ASTM E1417
- ISO 3452-2

FEATURES / BENEFITS

- Level 2 Sensitivity Penetrant - Exhibits sharp indications
- Accurate resistance to washing - Leaves no fluorescent background
- Superior brightness - Excellent indications
- High flash point - Safe on open areas
- Non-halogenated - Safe on all metals



APPLICATIONS

ZChek-FP2 is used in the inspection and detection of discontinuities in castings, forgings, extrusions and other metal surfaces in Aviation / Aerospace, Oil & Gas, Automotive and Engineering Industries.

TYPICAL PROPERTIES

| | |
|-------------------------|----------------------|
| Appearance | Golden Yellow Liquid |
| Fluorescence | Green - Yellow |
| Viscosity @ 40°C | 12 cSt |
| Density @ 29.5°C | 0.89 g/cc |
| Flash point | > 93 deg. C |
| Sulfur | < 1000 ppm |
| Chlorine | < 1000 ppm |

DIRECTIONS FOR USE

- Apply FP2 on a clean, dry surface by spraying, flowing, brushing or dipping method.
- Dwell time suggested is 10 minutes. If the part is especially critical the dwell time may be extended to 30 minutes or longer.
- Allow the penetrant to drain from the part surface.
- Use ambient temperature water to rinse FP2 from the part surface.
- Follow ASTM E1417 for the further process.

PACK SIZES

- 20-liter Can - Part # 120504
- 5 -gallon Pail - Part #120503
- 205-liter Drum - Part #120506
- 55- gallon Barrel - Part #120505
- Aerosol cans of 520 ml 12 cans in one carton box – Part #120501



HEALTH & SAFETY

Information on Health & Safety is made available through Material Safety data sheets & the same can be reviewed through the company's website www.zchem.in.

STORAGE & SHELF LIFE

Aerosol cans have a shelf life of 3 years and the bulk packing of 5 years, if unopened & stored as per ZChem recommendations.

Registered Office and Factory

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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.