

Water Washable Fluorescent Penetrant

For Liquid Penetrant Inspection Type 1 Method A Sensitivity Level 1

DESCRIPTION

ZChek-FP1 is the Level 1 Sensitivity Water Washable Fluorescent Penetrant designed for use on rough surface such as castings and forgings to find larger discontinuities in non-safety critical components. It is used in a wide range of applications like in automotive engineering for aluminum, steel, nickel and titanium.

CONFORMANCE / APPROVALS

- ASME B & PV Code, Sec V
- ASTM E165
- EN ISO 3452-2
- ASTM E1417
- EN ISO 9934-2

FEATURES/BENEFITS

- Sensitivity Level 1 Penetrant – Exhibits Bright Indications
- Sustains Water Rinse to Leave Least Fluorescent Background.
- High Flash Point – Safe on Open Areas
- Non-Halogenated – Safe on all metals.



APPLICATIONS

ZChek-FP1 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

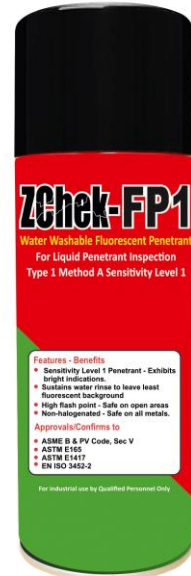
Appearance	Golden Yellow Liquid
Fluorescence	Green - Yellow
Viscosity @ 40° C	6 cSt
Density @ 29.5 °C	0.83 g/cc
Flash point	> 100° C
Sulfur	< 1000 ppm
Chlorine	< 1000 ppm

DIRECTIONS FOR USE

- Apply ZChek-FP1 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 FP1 from the part surface.
- Follow ASTM E1417 for the further process.

PACK SIZES

- 20 liter Can – Part #120404
- 5- gallon Pail – Part #120403
- 205 liter drum – Part #120406
- 55- gallon drum – Part #120405
- Aerosol Can of 520 ML 12 cans in one carton Box – Part #120401



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

Aerosol Cans have a Shelf Life of 3 Years, and the bulk packing of 5 years, if unopened and 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.