

## FP2 – For Water Washable Fluorescent Penetrant Inspection

### Type 1, Method A, Level-2

#### DESCRIPTION

ZChek-FP2 is medium sensitivity water washable fluorescent penetrant designed for locality discontinuous in castings, forgings, extrusions, and other metal surfaces. Fp2 is built with excellent washability properties which makes it unique with less background.

#### CONFORMANCE / SPECIFICATION

- ASME B & PV Code, Sec V
- ASTM E 165
- ASTM E 1417
- ISO 3452-2

#### FEATURES/ BENEFITS

- Level II sensitivity penetrant - exhibits sharp indication.
- Quick wash- leaves less fluorescent background
- High flash point- safe on open areas
- Non halogenated – safe on all metals.



#### APPLICATIONS

ZChek-FP2 is used in the inspection and detection of discontinuous in castings, forgings, extrusions and other metal surfaces.

#### TYPICAL PROPERTIES

<b>Appearance</b>	Golden Yellow Liquid
<b>Fluorescence</b>	Green-Yellow
<b>Viscosity@40°C</b>	9 cSt
<b>Density @ 29.5°C</b>	0.89 g/cc
<b>Flash point</b>	>93deg.C
<b>Sulfur</b>	<1000 ppm
<b>Chlorine</b>	<1000 ppm

## DIRECTIONS FOR USE

Pre clean the test parts, free from all foreign containments, oil and grease using ZChek-Cleaner. Dry the test parts before penetrant is applied. Water washable penetrant is applied by immersion, dip, brush or flow on conventional or electrostatic spray. Allow dwell time for penetration. Use ambient temperature water to rinse FP2 from the part surface. Dry the part surface in oven or air blower. Apply the developer by cloud, dusting, spray, or dip method. Inspect the part under appropriate UV-A light intensity.

## PACK SIZES

- 30-liter pail
- 205- liter drums.

## 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

Packed Powders have a shelf life of 5 years if unopened and stored as per ZChem rssecommendations.

## 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.

