

## Water Washable Fluorescent Penetrant

### Type 1 Method A Sensitivity Level 3

#### DESCRIPTION

ZChek-FP3 is a high sensitivity level 3 Water Washable Fluorescent Penetrant designed to have excellent washability properties. FP3 is formulated with strong capillary action which allows it to penetrate discontinuities quickly and bleed out into developer completely. FP3 is designed to find smaller, finer indications in sophisticated and critical components used in Aviation / Aerospace and Engineering applications.

**ZChek - FP3 is listed on the QPL SAE AMS 2644**

#### CONFORMANCE / APPROVALS

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

#### FEATURES / BENEFITS

- High sensitivity penetrant – Excellent detection and no background fluorescence.
- Controlled washability – Exhibits bright sharp indications
- High flash point – Safe on open areas.
- Non halogenated–Safe on all metals.
- Low odor - User friendly



#### APPLICATIONS

ZChek-FP3 is used in the inspection and detection of discontinuities in castings, forgings, extrusions and other metal surfaces in Aviation / Aerospace, Oil & Gas and Engineering industries.

#### TYPICAL PROPERTIES

<b>Appearance</b>	Golden Yellow Liquid
<b>Fluorescence</b>	Green-Yellow
<b>Viscosity @ 40°C</b>	21 cSt
<b>Density @ 29.5°C</b>	0.89 g/cc
<b>Flash point</b>	> 100 deg. C
<b>Sulfur</b>	< 1000 ppm
<b>Chlorine</b>	< 1000 ppm



## DIRECTIONS FOR USE

- Apply FP3 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 FP3 from the part surface.
- Follow ASTM E1417 for the further process.

## PACK SIZES

- 20-liter Can - Part # 120604
- 5 -gallon Pail - Part #120603
- 205-liter Drum - Part #120606
- 55- gallon Barrel - Part #120605
- Aerosol cans of 520 ml 12 cans in one carton box – Part #120601

## 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](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 & stored as per ZChem recommendations.

### Registered office and factory:

## ZChem Specialities Pvt. Ltd.

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