

## Post Emulsifiable Fluorescent Penetrant

### Type 1 Method B, C & D Sensitivity Level 3

#### DESCRIPTION

ZChek-FP12 is a High Sensitivity Post Emulsifiable Fluorescent Penetrant for detecting fine discontinuities open to surface. It exhibits outstanding fluorescent brightness. FP12 is a versatile high sensitivity penetrant for use on a variety of materials in critical applications for Aviation/ Aerospace and Engineering Industries.

ZChek-FP12 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

- Sharp indications and zero background for visibility.
- Super Bright - Excellent Indications
- Resists over-washing - High Sensitivity
- High flash point - Safe on all areas
- Non-halogenated - Safe on all metals.
- Low Odor - User friendly.



#### APPLICATIONS

ZChek-FP12 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>Colour</b>	Bright Green-Yellow
<b>Viscosity @ 40°C</b>	14 cSt
<b>Density @ 29.5°C</b>	0.89 g /cc
<b>Flash point</b>	> 93 deg. C
<b>Sulfur</b>	< 1000 ppm
<b>Chloride</b>	< 1000 ppm
<b>Fluoride</b>	< 50 ppm

## DIRECTIONS FOR USE

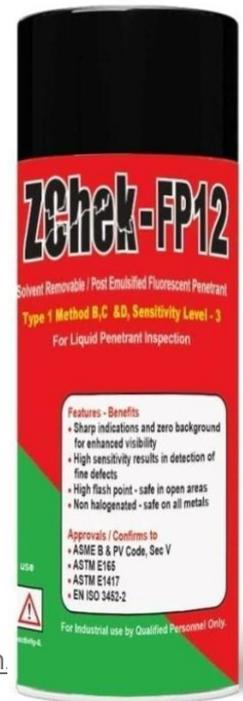
- Apply FP12 on a clean, dry surface by spraying, flowing, brushing or dipping method.
- Dwell time suggested is 10 minutes. If the part is especially critical the dwell time may be extended to 30 minutes or longer. Allow the penetrant to drain from the part surface.
- For Method C Solvent Removable method use ZChek – Cleaner
- For Method D Post Emulsifiable Hydrophilic use ZChek-EF9
- For Method B Post Emulsifiable Lipophilic use ZChek-EF81
- Follow ASTM E1417 for the further process.

## PACK SIZES

- 20-liter Can - Part # 120804
- 5-gallon Pail- Part #120803
- 205-liter Drum - Part #120806
- 55-gallon Barrel - Part #120805
- Aerosol cans of 520 ml 12 cans in one carton box - Part #120801

## HEALTH & SAFETY

Information on Health & Safety is made available through Material Safety data sheet & 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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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.