

## FP12 – Solvent removable/ Post Emulsifiable Fluorescent Penetrant

### DESCRIPTION

ZChek FP12 is a high sensitivity solvent removable /post –emulsifiable fluorescent penetrant for detecting discontinuous, surface-open flaws and defects. It exhibits outstanding penetrating characteristics. FP12 is a versatile high sensitivity penetrant for use on a variety of materials like engineering and alloys.

### CONFORMANCE / SPECIFICATION

- ASME B & PV Code. Sec V
- ASTM E 165/E/165M
- ASTM E 1417/E 1417M
- ISO 3452-2

### FEATURES/ BENEFITS

- Sharp indication and zero background for visibility.
- Exhibits stability and non-volatility results in enhanced life of the product.
- Low viscosity benefits less material consumption
- Clear, odorless, vapor free atmosphere.

### APPLICATIONS

ZChek-FP12 is used in the inspection and detection of cracks in castings, forgings, extrusions and other metal surfaces.

### TYPICAL PROPERTIES

<b>Colour</b>	Bright green-yellow
<b>Viscosity@40°C</b>	8 cSt
<b>Density @ 29.5°C</b>	0.87 g/cc
<b>Flash point</b>	>93deg.C
<b>Sulfur</b>	<300 ppm
<b>Chloride</b>	<300 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 back into penetrant tank to conserve material.
- Remove as much excess penetrant as possible using clean dry rag or toweling.
- Remove remaining penetrant film by wiping with a rag or toweling that has been slightly moistened with solvent.
- Use minimum of solvent. Do not spray solvent directly on the part surface when removing excess penetrant.

## PACK SIZES

- Available in 30-liter pail and 205- litre 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 Recommendations.

### 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.