

Post Emulsifiable Fluorescent Penetrant

Type 1 Method B, C & D Sensitivity Level 4

DESCRIPTION

ZChek-FP22 is ultra-high Sensitivity Post Emulsifiable Fluorescent Penetrant designed for detecting fine discontinuities in safety-critical components, such as titanium turbine components, and high-stress parts, aircraft landing gear, aircraft wing parts, fuse Lages and aircraft wheels.

FP22 Complies with low sulfur and low halogen requirements.

CONFORMANCE / APPROVALS

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

FEATURES / BENEFITS

- 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
- Very high thermal resistance - Optimized Brightness
- Very high UV stability - Consistent on Brightness.

APPLICATIONS

ZChek-FP22 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	15 cSt
Density @ 29.5°C	0.89 g/cc
Flash point	> 100 deg. C
Sulfur	< 1000 ppm
Chlorine	< 1000 ppm



DIRECTIONS FOR USE

- Apply FP22 on a clean, dry surface by spraying, flowing, brushing or dipping method.
- Dwell time suggested is 10-20 minutes.
- If the part is especially critical the dwell time may be extended to 30 minutes or longer.
- Allow the excess penetrant to drain from the part surface.
- For Method C Solvent Removable method use ZChek-Cleaner
- For Method D Post Emulsifiable Hydrophilic method 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 # 121004
- 5- gallon- Pail- Part #121003
- 205- liter Drum - Part #121006
- 55- gallon Barrel - Part #121005
- Aerosol cans of 520ml 12 cans in one carton box - Part #121001



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.

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:

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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.