

Water Washable Fluorescent Penetrant Type1, Method A, Sensitivity Level 2

ZChek-FP2 is medium sensitivity Water Washable Fluorescent Penetrant constituting nonionic biodegradable surfactants designed for detecting discontinuities in castings, forgings, extrusions, and other metal surfaces. FP2 is built with excellent sensitivity and washability properties which makes it unique with zero background fluorescence.

ZChek-FP2 is listed on the QPL SAE AMS 2644

FEATURES/BENEFITS

Level 2 Sensitivity Penetrant

Exhibits sharp indications

Accurate resistance to washing

Leaves no fluorescent background

Superior brightness

Excellent indications

High flash point

Safe on open areas

Non-halogenated

Safe on all metals

APPLICATIONS

ZChek-FP2 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.

CONFORMANCE / APPROVALS

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

TYPICAL PROPERTIES

 Appearance	Golden Yellow Liquid
 Fluorescence	Green - Yellow
 Viscosity @ 40 °C	12 cSt
 Density @ 29.5 °C	0.89 g / cc
 Flash point	> 93 °C / 200 °F
 Sulphur content	< 1000 ppm
 Chlorine content	< 1000 ppm

DIRECTIONS FOR USE

- 
- 01**
Pre Cleaning
Use ZChek-CR/ZChek-CL
- 
- 02**
Penetrant Application
Use ZChek-FP2
- 
- 03**
Remove Excess Penetrant
Water Pressure | 20-40 psi (1.4-2.8 bar)
Water Temperature | Generally 50°F to 100°F
- 
- 04**
Developer Application
Apply ZChek-DL/ZChek-DD9
- 
- 05**
Inspection
Inspect under UV lighting
UV Intensity: $\geq 1000 \text{ uW/cm}^2$

Usage Temperature: +41 to +122 °F / +5 to +50 °C

Storage Temperature: +50 to +122 °F / +10 to +50 °C

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.

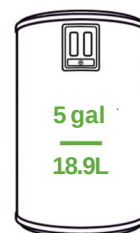
PACK SIZES



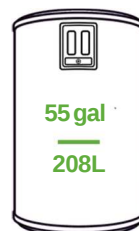
**12 cans in
one carton Box**
Part #120501



Case of 4
Part #120509



Part #120503



Part #120505

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.

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.