

## PH – High Temperature Penetrant **For Visible LPI**

### DESCRIPTION

ZChek-PH is special visible type liquid penetrant, formulated for detecting flaws on surfaces at higher temperature up to 200 Deg. C. These speeds up the inspection process time by reducing the cool down time required for standard penetrant inspection process.

### SALIENT FEATURES / BENEFITS

- Vivid red – Offers high contrast
- High temperature penetrant – speeds up the inspection process time by eliminating the cooling time.
- High flash point – Safe to use in open areas
- High sensitivity – Detects fine cracks
- Non halogenated – Safe on all metals.

### APPLICATIONS

ZChek-PH is used in the inspection and detection of weld defects at elevated temperature

### TYPICAL PROPERTIES

Density	0.99g/cc
Color	Vivid Red
Viscosity @ 40°C	34 cSt
Flash Point	150°C

### CONFORMANCE / SPECIFICATION

- ASME B & PV Code, Sec V
- EN ISO 3452-2
- EN ISO 3452-5

## DIRECTIONS FOR USE

- Pre clean the surface.
- Apply penetrant directly on the surface to be checked by spray or brush to a limited area.
- Penetrant dwell time depends on the temperature, higher the temperature, lower the dwell time.
- 200 deg. C 40-50 sec dwell time
- 100 deg. C 60-90 sec dwell time
- > 50 deg. C 90-120 sec dwell time
- Remove excess penetrant with cloth or paper towel with cloth moistened with ZChek CH Cleaner.
- Apply thin coat of ZChek DH Developer for final inspection.

## PACK SIZES

- Available in 520 ml aerosol can/1 litre pail.

## 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

Aerosol Cans have a Shelf Life of 3 Years and the Bulk Packing 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.