

Water Washable Penetrant For Visible Liquid Penetrant Inspection Type 2, Method A

ZChek-PTW is a high performance Water Washable Penetrant with typical penetrant characteristics of brilliant red color, optimum capillary action and high flash point. Specially formulated for detecting discontinuities in Welding, Casting, Forgings and many other Engineering Applications.

FEATURES / BENEFITS

Brilliant Color Contrast

Red : Excellent Visibility

Perfect Capillary Action

Excellent Penetration

High Sensitivity

Detects Fine Discontinuities

Non-Halogenated

Safe on All Metals

High Flash Point

Safe to Use

APPLICATIONS

Liquid penetrant inspection for welding defects in fabrication, pressure vessels and defects in castings, forgings, railways, power plants, oil & gas, maintenance etc.

CONFORMANCE / APPROVALS

- ASME B & PV Code, Sec V
- ASTM E165
- ASTM E1417
- EN ISO 3452-2
- IS 3658
- AMS 2644

TYPICAL PROPERTIES

 Color	Vivid Red
 Density	0.87 g / cc
 Viscosity @ 40 °C	8 cSt
 Flash point	NA Aerosol
 Flash point bulk	> 93 °C /200 °F
 Sulphur content	0.1 %
 Chlorine content	0.1 %

DIRECTIONS FOR USE



01

Pre Cleaning

Use ZChek-CR/ZChek-CL



02

Penetrant Application

Use ZChek-PTW



03

Remove Excess Penetrant

Water Pressure | 20-40 psi (14-28 bar)
Water Temperature | Generally
10°C to 38°C



04

Developer Application

Dry and apply ZChek-DL



05

Inspection

Inspect under proper lighting
Visible Light: ≥ 1000 lux

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.

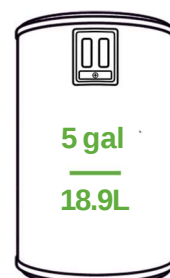
PACK SIZES



**12 cans in
one carton Box**
Part #110301



Case of 4
Part #110309



Part #110303

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.