

ZChek - Visible Red Dye Penetrant Inspection Materials

1. PRECLEAN



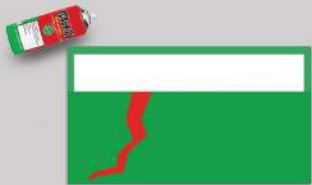
2. APPLY PENETRANT



3. REMOVE EXCESS PENETRANT



4. DRY & APPLY DEVELOPER



5. INSPECTION



ZChek - PT

Solvent Removable Visible Red Dye Penetrant - Formulated to provide excellent penetrating property.

- Brilliant Color Contrast Red : Excellent visibility
- Perfect Capillary action - Excellent Penetration
- High wetting ability - Excellent coverage
- Non-Halogenated - Safe on all metals

ZChek - PTW

Water Washable Visible Red Dye Penetrant - Formulated to provide excellent Penetrating property

- Brilliant Color Contrast - Red : Excellent visibility
- Perfect Capillary action - Excellent Penetration
- High wetting ability - Excellent coverage
- Non-Halogenated - Safe on all metals



NEW

ZChek - CL

Is a High-performance Solvent Cleaner

- No residue - Good for penetrant action
- Odorless - User-friendly
- Controlled Evaporation - Excellent cleaning & less consumption

ZChek - CR

Is a non-Aqueous Cleaner/Remover designed to offer Quick Cleaning Action

- No residue - Good for penetrant action
- Used for removing ZChek-WP
- Fast action - Lower process time.



ZChek - DL

Is a High Performance Non-Aqueous Developer

- Brilliant White - Excellent Contrast
- Non-Halogenated - Safe on all metals
- High Area Coverage - Less consumption
- Controlled Evaporation - Enhances complete Bleed out



ZChek Dye Penetrant consumables are offered in 1Ltr bulk and 520mL aerosol cans.

ZChek - Fluorescent Penetrant Inspection Materials

ZChek - FP1

Water Washable Penetrant - Level I

- Fluorescent bright Yellow Green under UV Light
- Medium sensitivity
- Non-Halogenated - Safe to use in open areas
- Sensitivity Level - I

ZChek - FP2

Water Washable Penetrant - Level II

- Fluorescent bright Yellow Green under UV Light
- Medium-High sensitivity
- Non-Halogenated - Safe to use in open areas
- Sensitivity Level - II

ZChek - FP12

Solvent Removable/Post Emulsified Fluorescent Penetrant

- Fluorescent bright Yellow Green under UV Light
- High sensitivity
- Non-Halogenated - Safe to use in open areas
- Sensitivity Level - III

ZChek - D90

Dry Powder Developer

- Micronized White powder developer
- Free Flowing, White, Fluffy powder
- High Sensitivity - Detects ultra-fine cracks
- Forms ultrathin film - Enhances indications

ZChek Visible Liquid Penetrant Inspection Consumables confirm to the Specifications of

- ASME Boiler & Pressure Vessel, Section V
- ASTM E1417
- ENISO 3452-2
- AMS 2644
- IS 3658
- NPCIL

ZChek - High Temperature Penetrant Materials

50° - >200° C

ZChek - PH

High Temperature Penetrant - upto 200° C

- No residue - Better Penetrant action.
- No odor - User friendly.
- Fast action - Lower process time.

ZChek - CH

High Temperature Cleaner

- No residue - Better Penetrant action
- No odor - User friendly
- Fast action - Lower process time
- High-temperature Cleaner - up to 200 Deg C

ZChek - DH

High Temperature Developer

- Brilliant white - High contrast.High sensitivity
- Non-halogenated - Safe on all metals.
- High-temperature developer - speed up the inspection process time by eliminating the cooling time.



ZChек - Magnetic Particle Inspection Materials

Dry Method

ZChек - 9D Red

General purpose magnetic powder formulated to form excellent indications of discontinuities at the surface or near surface of the test part.



Wet Method - Non Fluorescent

ZChек - 9E Black

Is black magnetic powder concentrate designed for usage in non fluorescent wet method and on light colored part surface.



ZChек - WP White Contrast paint

This is a blend of solvent and fine inorganic pigments. When sprayed, it provides bright background for magnetic powders, enhancing visibility of indications.



ZChек - NF Red

Is red magnetic powder concentrate designed for usage in non fluorescent wet method preferred for good contrast on gray, black or dark surfaces.

ZChек - 9 Black

Non Fluorescent Powder for Wet method MPI

- High Sensitivity
- High Contrast

Wet Method - Fluorescent

ZChек - F9

Fluorescent magnetic particles specially designed for forging and auto component application.

- Fluoresces bright green - Brilliant Indication
- Low Background - Enhances visibility
- Encapsulation Technology - No loose pigment

ZChек - F9W

Is the blend of fluorescent powder F9 and wetting agent WA. F9W is readily usable with water.

The anti corrosion agents in WA prevent flash rusting of the components.

ZChек - F18

Is high sensitive fluorescent magnetic particles designed to detect ultra fine defects. F18, thanks to its very low particles size offers high inspection reliability.

- Fluoresces Yellow Green - Optimum Indication
- Very low background - Enhances Inspection Reliability

ZChек - F18W

Is the blend of fluorescent powder F18 and wetting agent WA. F18 is readily usable with water.

The anti corrosion agents in WA prevent flash rusting of the components.

ZChек - F18B

F18B - Aquamix is a ready bath liquid concentrate of fluorescent powder, wetting agents and corrosion inhibitors - to be used with water.

ZChек - FB

Is a fine blend of fluorescent magnetic powders suspended in ZChек 801 cart oil at proper concentration and packed in the aerosol can



Water Conditioners & Additives

ZChек - WA-9

WA-9 - General-purpose water-conditioning powder to enhance surface wetting and magnetic particle dispersion stability in water-based magnetic particle suspensions

Carrier Oil/ Cart Oil

ZChек - Z 801

Cart oil is specially formulated carrier fluid for magnetic particle

- High Flash point - Safe
- Low odor - Operator Friendly
- No Background Fluorescence - More Inspection Reliability

ZChек Magnetic particle inspection materials confirm to specifications of

- ASTM E3024
- ASTM E3024M
- ASTM E-1444
- ENISO 9934-2, ASTM E709
- ASME Boiler & Pressure Vessel . Section V, Art 7