

# **Zyglo Fluorescent Dye Penetrant Instructions**

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Zyglo Fluorescent Dye Penetrant Instructions applying penetrant. STEP 2—APPLY PENETRANT Once parts are clean and dry, Zyglo penetrant is applied by spray, immersion dip, or brush-ing. Complete coverage of the area to be inspected is essential, and a penetrant “dwell” time is required for the penetrant action to take place. The length of dwell time depends on the material being inspected, THE ZYGLO FLUORESCENT PENETRANT PROCESS PENETRANT Kit OPERATING INSTRUCTIONS 1. Cleaning—For precleaning, spray the part or section to be inspected with SKC-S. Allow SKC-S to remain on part long enough to dis- solve dirt or film. Wipe dry with a clean rag. PENETRANT Kit OPERATING INSTRUCTIONS For conventional penetrant applications allow 2 to 15 minutes penetration time. For leak testing apply penetrant to one side of test area, apply developer to the opposite side and allow 15 to 30 minutes penetration time before inspecting under black light. Penetrant Removal: ZYGLO ZL-4C Water Soluble Penetrant MATERIAL SAFETY DATA SHEET ZYGLO® PENETRANT ZL-60D 1. IDENTIFICATION Company: MAGNAFLUX Address: 3624 West Lake Avenue, Glenview, Illinois 60026 Telephone No.: 847-657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300). Product Use: Fluorescent inspection penetrant Packages: 1 and 5 gallon pails, 20 and 55 gallon drums, aerosols NFPA Rating: Health 1, Flammability 1 (aerosol 4 ... MATERIAL SAFETY DATA SHEET - NDT Supplies Learn about the Penetrant Inspection method of Nondestructive Testing, including basic steps for NDT with

an AMS 2644 Type 1 water washable penetrant. This video explains surface preparation with Spotcheck SKC-S, penetrant application with Zyglo penetrant, dwell time, removing excess penetrant, applying developer and inspecting under UV light ... How Does Fluorescent Penetrant Inspection Work? | Advanced ... Common Terms. Background - the surface of the test part against which the indication is viewed. It may be the natural surface of the test part or the developer coating on the surface. Bleedout - the action of an entrapped liquid penetrant in surfacing from discontinuities to form indications.; Developer - a material that is applied to the test surface to accelerate bleedout and to ... The Ultimate Guide to Fluorescent Penetrant Testing ... Zyglo ® Liquid Fluorescent Penetrant Inspection Applications. Zyglo ® is the preferred penetrant inspection method for the extremely sensitive fluorescent detection of cracks and surface discontinuities in ferrous & non-ferrous test materials.. Zyglo ® liquid fluorescent penetrant inspection products are formulated from high quality fluorescing dyes and solvents to provide superior ... Zyglo Fluorescent Penetrant: Water Washable, Post ... Zyglo® ZL-60D Water Washable Fluorescent Penetrant Level 2 Water Washable Fluorescent Penetrant Developed for testing rough machined surfaces, ZL-60D medium sensitivity (Level 2) fluorescent water washable penetrant will readily wash off textured surfaces to find indications in castings, forgings, extrusions, and rough machined surfaces. Magnaflux Zyglo® ZL-60D Water Washable Fluorescent Penetrant INSTRUCTIONS 1. Cleaning - For precleaning, coat the part or section to be inspected with cleaner/remover. Allow cleaner to remain on part long enough

to dissolve dirt or film. Wipe dry with a clean cloth. Repeat if necessary. After final clean wiping, allow time to dry before using penetrant. Clean the same day inspection is conducted. 3. Visible Dye Penetrant Testing - Magnaflux This Zyglo fluorescent dye penetrant kit helps to find tiny cracks in any metal surface. The 5-step process includes precleaning, penetrant application, penetrant removal, developer application, black light inspection. Kit includes UV light, 1 can of penetrant, 1 can of developer, and 2 cans of cleaner, in a plastic case. ZYGLO Penetrant, Kit - 3WU64|600047 - Grainger HM-406 Fluorescent Penetrant is a medium-high sensitivity, water-washable fluorescent penetrant for inspecting castings, extrusions, and similar parts. Designed for dip tank use with good self-developing properties. It is a versatile, general purpose penetrant for use on a variety of materials, including aluminum and magnesium castings. HM-406 Fluorescent Penetrant - MX Industrial Distributors Dye Penetrant, Fluorescent. To zoom in, use the keyboard to focus on the arrow icon within the product image. Once it receives focus, use the arrow keys on the keyboard to move and position the product image. The zoom feature provides no benefit to users who are blind. MAGNAFLUX Dye Penetrant, Fluorescent - 48K596|ZL-27A ... We offer a number of Specialty UV lamps including overhead and ceiling mounted UV fixtures for area illumination of Magnetic Particle and Fluorescent Dye Penetrant inspection and wash stations. UV Pencil Lamps are made to illuminate bore holes and areas inaccessible to conventional UV lamps. Hand held fluorescent lamps used for close up inspection. Specialty UV Inspection Lights - Magnaflux - Dye Penetrant Pre-

clean surface. The metal surface must be free of all contaminants that could prevent penetrant from seeping into defects. Apply penetrant and wait. Whether the penetrant is brushed or sprayed on—or the component is dipped into it—any cracks in the metal surface will “pull” penetrant inside during “dwell time. How Liquid Penetrant Inspection (PT) Works - Penflex Fluorescent penetrant inspection (FPI) is a type of dye penetrant inspection in which a fluorescent dye is applied to the surface of a non-porous material in order to detect defects that may compromise the integrity or quality of the part in question. FPI is noted for its low cost and simple process, and is used widely in a variety of industries. Fluorescent penetrant inspection - Wikipedia Zyglo Dye Penetrant Fluorescent, Developer - ZP-9F \$41.15. CANTESCO P101S-A Red Visible Dye Penetrant, Solvent Removable 4.7 out of 5 stars 18. \$12.66. CANTESCO K801S Dye Penetrant Kit, Solvent Removable, 8 Can Kit 4.1 out of 5 stars 7. \$68.59. Next. Customers also shopped for. Page 1 of ... Dye Penetrant, Fluorescent: Power Tools: Amazon.com ... Penetrant may be applied to the test component by dipping, spraying, or brushing. After adequate penetration time has been allowed, the excess penetrant is removed, and a developer is applied. The developer helps to draw penetrant out of the flaw where a visible indication becomes visible to the inspector. RAMCO Equipment Fluorescent Penetrant Inspection System ... ' Dye Penetrant DeveloperColor Fluorescent, 16 oz, Designed For Use With Fluorescent Dye Penetrant And Magnetic Particle Inspection Processes, Covers Approximately 65 Square Feet, Ready To Use Suspension Of White Developing Particles In A Fast

Drying Solvent Which Provides An Excellent Contrasting Background For SPOTCHECK OR ZYGLO Penetrant ...

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