

PENETRANT INSPECTION KITS

MAGNAFLUX NDT (NON-DESTRUCTIVE TESTING) KIT

				
1 Preclean inspection area. Spray on Cleaner, wipe off with cloth.	2 Apply penetrant. Allow short penetration period.	3 Wipe to remove Penetrant from surface. Use Cleaner, moistened towel if surface is rough.	4 Shake can and spray on a thin film of Developer.	5 Inspect. Defects will show as bright red lines in white Developer background.

A quick, easy way to make shop and in-field inspections of landing gear, airframe and components. Highly sensitive Spotcheck dye penetrants which give clear, bright red indications. Locates very fine cracks on the surface of ferrous and non-ferrous components, equipment and structures. Reveals cracks on materials with surface temperatures as high as 350°F. Perfect for testing welds before thorough cooling. Convenient spray cans make application easy and contain no fluorocarbon propellants. Non-flammable. Materials meet applicable specifications for dye penetrant inspections (ASME, ASTM and MIL specs). Considered flammable and hazardous by UPS.

MAGNAFLUX SPOTCHECK NDT (NON-DESTRUCTIVE TESTING) - 4 CAN KIT



The lowest priced way to check for cracks, leaks and other defects on any metal parts. Kit includes 1 spray can of developer, 2 cans of cleaner & 1 can of dye penetrant in cardboard case.

4-CAN SPOT CHECK® TEST KIT

SK-416 - Includes: • SKC-S, 2 aerosol cans • SKL-SP2, 1 aerosol can • SKD-S2, 1 aerosol can • SCRUBS® hand cleaner towels, 3 towels • DYKEM® Brite-Mark yellow paint marker, 1 pen • Shop Cloth, 1 towel
Magnaflux 4-can kit - SK-416.....P/N 09-00391
Developer.....P/N SKD-S2
Cleaner/Remover (12oz. Aerosols).....P/N SKC-S

MAGNAFLUX SPOTCHECK NDT (NON-DESTRUCTIVE TESTING) KIT - 8 CAN



In The Box:

- 4 x Aerosol cans of SKC-S cleaner
- 2 x Aerosol can of SKL-SP2 penetrant
- 2 x Aerosol can of SKD-S2 developer.....P/N 09-05791

SKC-S CLEANER

This clear, fast-drying solvent can be used for pre-cleaning, post-cleaning and penetrant removal.

16 oz.....P/N 09-01188
Gallon.....P/N 09-04508
Case (4 Gallons).....P/N 09-04509

SKL-SP2

Because of its vivid red color, this solvent removable dye penetrant provides excellent color contrast performance to locate surface cracks in virtually any metal or non-porous ceramic material.

P/N 09-04661

SKD-S2 DEVELOPER

Made especially for use with SKL-SP penetrant, this developer contains suspended white particles that provide an ideal background for red Spotcheck penetrant indications.

16 oz.....P/N 09-01190
Gallon.....P/N 09-04510
Case (4 Galons).....P/N 09-04511

MET-L-CHEK PENETRANT INSPECTION KITS



FLAMMABLE
Met-L-Chek kits provide a completely portable, job-proven method used throughout the industry to locate cracks, flaws and other defects. These economical & effective kits provide everything needed to make inspections in the shop or field. The penetrant materials are packaged in easy-to-use aerosol spray cans and a can of cleaner included for cleaning parts before inspection. The inspection procedure is easy to learn, accurate and inexpensive. Met-L-Chek can be used on ferrous and non-ferrous materials to find surface defects and 'thru leaks'. Supplied in a rugged metal case with complete instructions. The 4-Can Kit has one aerosol spray of cleaner, penetrant, developer and remover. The 8-Can Kit has 2 cans of each material. Individual replacement cans available.

4-Can Kit (16 Ounces)P/N 09-03040
8-Can Kit (16 Ounces)P/N 09-03052

MET-L-CHEK PENETRANT VP-30



VP-30 is a visible (Type 2), water washable (Method A) and solvent removable (Method C) inspection penetrant. It is designed for use in general metalworking, welding, nuclear and automotive applications for surface flaw and through leak detection. VP-30 has found wide use in the inspection of food and dairy processing equipment such as heat exchangers. Visible penetrants are not rated by sensitivity levels per AMS-2644 but are considered approximate to level 1 fluorescent penetrants. 50μ discontinuities are readily detected and under controlled conditions 30μ size defects may be high lighted by visible penetrants. ISO-3452-2005 does rate visible penetrants by sensitivity level with #2 being the most sensitive. VP-30 is a level 2 per this specifications requirements.....P/N 09-04320

MET-L-CHEK CLEANER/ REMOVER E-59A



E-59A is a class 2 (non-halogenated), Method C inspection penetrant remover. It is designed for use in the solvent wipe technique for penetrant inspection in general metalworking, welding, nuclear and automotive applications. It is a moderate dry rate material and is ideal for penetrant wipe removal and pre-inspection surface cleaning. As a pre-cleaner it is sprayed directly on the test surface. As a penetrant remover it is sprayed onto wiping media and then the penetrant wiped from the surface. The remover should not be sprayed directly on to the test surface to remove the excess penetrant as the sensitivity will be impaired.....P/N 09-04307



MET-L-CHEK DEVELOPER D-70

D-70 has been used by automotive manufacturers to assist in locating oil and gas leaks in engine components and hydraulic lines. The area of interest is cleaned and the developer applied. The engine is run and the oil leak will appear as a dark spot on the white coating. Reminiscent of the old oil and whitening inspection used by railroads before the advent of modern penetrant inspection materialsP/N 09-04303



MET-L-CHEK MPI-1400B FLUORESCENT WET METHOD PARTICLE BATH

MPI-1400B is a premixed, ready-to-use, fluorescent magnetic particle bath available. It is a mixture of MPI-Carrier Fluid C2 and MPI-1400 fluorescent particles. Particle concentration level is ≈ 0.35 in the 100mL centrifuge tube. Aerosols are pressurized with nonflammable, environmentally friendly CO₂.

P/N 09-05862



MET-L-CHEK FP-923 FLUORESCENT INSPECTION PENETRANT

FP-923 is used for the detection of fine cracks, porosity, and through leaks on metals, composites, synthetic materials, and some plastics. The materials used are low in sulfur and halogens, VOC free, and safe for use on all metal surfaces. It is bright yellow, smooth washing and non-gel forming, allowing a clean wash cleanly from rough surface. It is applied by immersion, spray, or wipe on and is approved for high sensitivity aerospace applications.

For Method C applications it is used with E-59, E-59A, R-503, and R-504.P/N 09-05863