

SUPER SERIES FLAWCHEK

LIQUID DYE PENETRANT INSPECTION SYSTEM

DESCRIPTION

Designed to locate surface discontinuities or other indications on all non-porous materials (Metals, Plastics, Ceramics), Cracks, Seams, Porosity, Laps, Laminations, Cold Shuts. Used to detect welding, casting & forging defects, cracks & leaks in new - components and fatigue cracks on in - service components.

KEY FEATURES

- Will detect wide spectrum of flaw sizes regardless of flaw orientation up to 1 micron to 30 microns depth on standard Ni - Cr test panel
- Superior capillary action, Non - Toxic, Non - Corrosive, Free from halides & sulfides
- Confirms to MIL-1-25135, MILSTD 271, IS: 3658 - 198 'Code of practice for liquid penetrant flaw detection'
- CFC Free formulation

1. SUPER DEVELOPER:

- a) % Volatile by volume: 94%
- b) Specific Gravity < 1
- c) Vapour Pressure 45-55 Psig
- d) Non -toxic formulation



2. SUPER PENETRANT:

- a) Red ultra high penetration dye
- b) Specific Gravity < 1
- c) %Volatile by volume - NA
- d) Non -toxic formulation



3. SUPER CLEANER:

- a) Non-Chlorinated solvent
- b) Fast drying
- c) % Volatile by volume - 100%
- d) Specific Gravity < 1
- e) Non-toxic formulation



APPLICATION

Evaluation of micro surface defects & flaws in weld deposits, wrought & cast products of both Ferrous & Non-Ferrous metals, powder metallurgy parts, ceramics, plastics & Glass objects.

Perfect for examining Stress corrosion and Fatigue cracks - Cranes, Bridges, Vessels, Piping, Railways. So as to prevent breakdowns, injuries or loss of life.

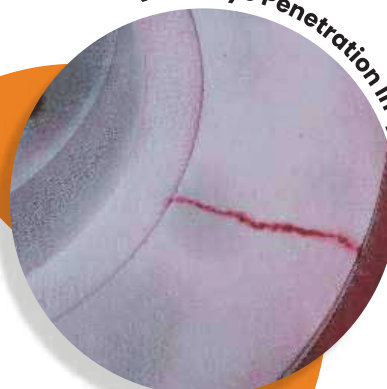
SHELF LIFE

- Super Cleaner & Super Penetrant - 24 Months from the date of manufacture
- Super Developer - 18 Months from the date of manufacture
- The stated Shelf life period shall be achieved only under recommended storage conditions.

'Pipe Joint Dye Penetrant Inspection'



'Valve Dye Penetration Inspection'



SUPER SERIES – FLAWCHEK

Liquid Dye Penetrant Inspection System

- ★ Will locate surface discontinuities or other indications on all non – porous materials (Metals, Plastics, Ceramics.....):-
 - Cracks
 - Seams
 - Porosity
 - Laps
 - Laminations
 - Cold Shuts
- ★ Used to detect welding, casting & forging defects, cracks & leaks in new – components and fatigue cracks on in – service components.
- ★ Will detect wide spectrum of flaw sizes regard less of flaw orientation, up to 1 microns to 30 micron depth on standard Ni – Cr test panel.
- ★ Superior capillary action, Non – Toxic, Non – Corrosive..... Free from halides & sulfides.....
- ★ Confirms to MIL–1–25135, MILSTD 271, IS: 3658 – 1981“Code of practice for liquid penetrant flaw detection “.
- ★ Three part system



1. SUPER CLEANER :

- a) Non – Chlorinated solvent.
- b) Fast drying.
- c) % Volatile by volume – 100%.
- d) Specific Gravity < 1.
- e) Non – toxic formulation.

2. SUPER PENETRANT :

- a) Red ultra high penetration die.
- b) Specific Gravity < 1.
- c) % Volatile by volume – NA
- d) Non – toxic formulation.

3. SUPER DEVELOPER :

- a) % Volatile by volume: 94%.
- b) Specific Gravity < 1.
- c) Vapour Pressure – 45-55 Psig.
- d) Non-toxic formulation.

APPLICATION :

Evaluation of micro surface defects & flaws in weld deposits, wrought & cast products of both Ferrous & Non – Ferrous metals, powder metallurgy parts, ceramics, plastics & Glass objects.

Perfect for examining Stress corrosion and Fatigue cracks – Cranes, Bridges, Vessels, Piping, Railway's..... So as to prevent breakdowns, injuries or loss of life.

SHELF LIFE : 18 Months warranty.



“ Pipe Joint Dye Penetrant Inspection ”



“ Valve Dye Penetration Inspection ”