

## Flaw Guide

# Dual Purpose –Dual Mode Penetrant Systems

Red & Fluorescent, Water Washable & solvent Clean Type 2 in 1 System

## Penetrant - Developer – Cleaner

Flaw Guide Liquid Penetrant Testing System Grade DM can be used as Red Penetrant and where high sensitivity is required, the same product can be used as fluorescent Penetrant produced by the use of Black Light. In Day Light the indications are bright Red and when Black Light is used the defects are seen as very bright orange fluorescent indications. It may also be noted that the same product can work as water washable and/or solvent clean type and hence the system is called Dual Mode Dual Purpose Penetrant System. This system is a very sensitive and highly reliable penetrant system which help to find coarse and extremely fine surface discontinuities such as cracks, porosity etc. in almost all metals, composites and non porous components etc.. This system has wide applications in practically all the industries for inspection of welds, castings, forgings, pressure vessels, machine industry, Aerospace, power plants, petroleum industries, railways and all other engineering industries where components are required to be inspected penetrant testing.

Dual Mode Dual Purpose  
Penetrant System

Extremely  
sensitive



Detects Extremely fine defects of 0.5 micron size

The products are supplied in Bulk packing and in convenient Aerosol Spray cans in following grade

1. Flaw Guide Penetrant System Grade DM (Solvent Clean & Water Washable Type)
2. Flaw Guide Developer & Cleaners Grade GP / NP / SP (Non Halogenated Solvent Base)
3. Flaw Guide Developer Grade P (Powder Developer)

### Main Features

- Highly sensitive - detects 1 x 20 micron size cracks on Ni-Cr Panel in Day Light and 0.5 x 10 micron cracks under Black Light
- Extremely Bright Red Indications in Day Light. And bright Orange indications in Black Light
- Excellent Wetting - better coverage - Non Toxic - Non Corrosive - operator friendly-No objectionable smell
- Conform to the requirements of almost all the international specifications for Liquid Penetrant Inspection
- The aerosol cans contains Environmental Friendly Hydrocarbon as propellant.
- Excellent area coverage for Penetrant and Developer
- Halogen and Sulphur content well within acceptable limits of all most all the International Specifications.

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