

# Flaw Guide Developer NP

(Non Aqueous Developer For Penetrant Testing- Approved by NPCIL of India)

## General Description

Flaw Guide Developer NP is a ready to use suspension of white developing particles in suitable volatile solvent which provides an excellent white contrasting background so as to obtain maximum sensitivity. The ionic Halogen & total Sulphur content is extremely low and is always controlled below 25 ppm and 0.01% respectively. Every production batch is well controlled for consistency to have highest reliability during inspection

Flaw Guide Developer NP is a blend of inert inorganic powders with some special additives, suspended in non halogenated evaporating solvents and is suitable for use with Flaw Guide Red & Fluorescent Penetrants

Flaw Guide Developer NP is suitable to use with all types of Flaw Guide Penetrants with highest efficiency. In order to obtain very uniform and thin coating of developer, it is required to be applied by spraying either by using self spraying aerosol cans or by using suitable spray gun with compressed air. The uniform and thin coating gives the optimum results during inspection. The developer particles have tendency to settle down after long standing in the supplied packing and hence require to re disperse prior to use by moderately shaking the aerosol can. In case of Bulk product, it is necessary to thoroughly mix the settled Developer powder to obtain spraying consistency.

Post cleaning of Flaw Guide Developer GP can be carried out by removal of developer residue by wiping with dry cloth and subsequent cleaning by water and detergent wash. Penetrant residues, if any, can be removed by vapour degreasing or solvent soak.

## Typical Properties

1. Extremely fine particles give uniform & Bright white coating to provide excellent contrast.
2. Well controlled drying time to increase blotting of penetrant from the defect. Drying time within the specifications limit.
3. Operator friendly - easy to use.
4. Very High area coverage and hence extremely cost effective. Aerosol can covers around 4.5 Sq.M where as material supplied in 1 lt.. container is expected to covers 10 to 12 Sq. M. of area
5. The bright white coating is Non Fluorescent and hence quite suitable to use with Flaw Guide Fluorescent penetrants
6. Flaw Guide Developer GP meet the requirements of most of the international specifications for Penetrant Testing namely, ASME Sec. V, ASTM-E-165, IS 3685/12889, AMS 2644, ASTM E-1417, EN 571-1
- 7.

## Packing

Supplied in 550 ml. Capacity Aerosol Cans or in 1,5 & 20 Litre containers