

FERROCHEM NDT SYSTEMS PVT. LTD.
PRODUCT DATA SHEET
RED DYE PENETRANT SOLVENT REMOVABLE
FC-9111

Note: Read and understand Product Data Sheet before handling or disposing off the product.
PDS NO.: FC-9111/1301/29 Date of issue: January 29, 2013

NEW PRODUCT NUMBER: 6006**RELATED OLD PRODUCT CODE: FC-9111****UMC: 600602****STANDARD PACKING: 1 Ltr.**

PRODUCT DESCRIPTION: Crack Check Red Penetrant Solvent Removable for crack detection by Liquid Penetrant Inspection method.

USE: Red Penetrant Solvent Removable (FC-9111) for crack detection by Liquid Penetrant Inspection method.

Red Dye Penetrant Solvent Removable (FC-9111) are used extensively for detecting discontinuities that are open to surface such as cracks, seams, laps, cold shuts, laminations, though leaks, nonporous, non-metallic materials, both ferrous and non-ferrous.

DESCRIPTION:

Color	Red
Form	Liquid
Flash point (Abel's closed cup method)	98 °C Min.
Sensitivity on Ni-Cr test panel	Crack 20, 30 & 50-micron panel are clearly visible.
Meniscus value, diameter as per FerroChem Specification Std.No. FC/IT/03/16	4mm Max.
Chemical nature	Non hazardous, non-toxic, non-corrosive liquid
Packing	1 Ltr. In tin can

INSTRUCTION:

- Crack detection procedure to be followed should be as per the relevant ASTM standard for ready reference the procedure is described below.

For use:

- Shake well the can every time before use.
- Job surface should be clean Using Solvent Remover (FC-711) before testing.
- The surface should be dried to remove any moisture.
- The Penetrant should be applied so the entire object or area under examination is completely covered with using FC-9111 Penetrant.
- Dwell time for all materials and discontinuities should be Ten minutes.
- The excess Penetrant on the surface should be removed by wipers of dry, clean, lint free material and repeating the operation until most of traces of Penetrant are removed and observe in white light.
- Drying of the surface is necessary to prepare the surface for application of the Non-Aqueous Wet Developer (FC-811).
- Non-Aqueous Wet Developer, which is basically a fine liquid absorbing suspended liquid, should be applied over the surface.
- The job surface should be inspected in White light of good intensity. A minimum light intensity at examination site should be 1076 lux.
- Post-cleaning of job surface should be done under white Light without much delay.

For Storage:

- Always store the can vertically.
- Store in Dry, Cool, Shaded and at temperature less than 55°C.

For Better use:

- Do not allow the Penetrant to dry the surface.
- Pre-cleaning of job surface is recommended for good results.
- To be used only along with FERROCHEM made Wet developer and Solvent Remover for best results
- The temperature of the Penetrant material and the surface of the part to be tested should be between 50 and 125 ° F (10 to 52° C).

For Disposal:

- Dispose off as EPA hazardous waste. Refer M.S.D.S. for disposal.

For safety during use:

- Do not puncture or incinerate container.