



FerroChem NDT Systems Pvt. Ltd.

Non-Aqueous Wet Developer CRACK CHECK, FC-811/2 420 ml in Aerosol Can

For

Crack Detection by Liquid Penetrant Inspection Method

Code No.: 811/2

Non-Aqueous Wet Developer i.e. suspension of Developer particles in a Non-Aqueous Solvent carrier, ready for use as supplied, with Visible Penetrant as well as Solvent-Removable Fluorescent Penetrant for crack detection by Liquid Penetrant Examination Method.

Technical Details:

- Colour: White
- Aerosol Can Volume: 500 ml
- Net Content : 420 ml (Product + Propellant)
- Weight : 408 gm (approximate) per can
- **Coverage Area: One can is capable of testing surface of 9 square meter area (Approximately a square of size 3 meter by 3 meter)**
- Standard Packing : 24 Aerosol Cans in corrugated Box

Features :

- Chemical Nature: Non hazardous, Non-Toxic, Non-Corrosive Liquid.
- **Shelf Life:** The product will be suitable for its designated use till **two (2) years** from the date of manufacture, if stored well, and in packed condition as supplied

Compliance Standard:

- ASTM E-165 : Standard Practice for Liquid Penetrant Examination for General Industry¹
- ASTM E-1417 :Standard Practice for Liquid Penetrant Testing¹
- EN ISO 3452-2 : Non-destructive testing – Penetrant testing Part 2 : Testing of Penetrant Material

Approvals:

- **BHEL**, Bharat Heavy Electricals Limited, Trichi
- **NPCIL**, Nuclear Power Corporation India Limited

Desirable Recommendations:

- For good results it is necessary to be used with Ferrochem Products only i.e. Penetrants FC-911, FC-931, FC-921, FC-941 and Solvent Remover i.e. FC-711 either in Aerosol packing or otherwise.
- Ensure that the testing premises are well ventilated.
- Use of mask is recommended.

For Storage:

- Store in Dry, Cool, Shaded Area and at temperature less than 50°C.
- Always store the can vertically.

Safety :

- Please note that propellant used is a flammable gas, also the solvent used is highly evaporating and flammable. Necessary precautions, such as keeping the surrounding atmosphere free of flame or sparks is essential.

Supplementary Products:

- **Ni-Cr Test Panel:** Used To check sensitivity of Dye Penetrant Materials.
- **Aluminum Comparator Block :** Used To check sensitivity of Dye Penetrant Materials
- **White Light Assembly :** Used for inspection in NDT techniques such as MT and PT.
- **Lint Free Cloth :** Used for cleaning the job surface before and after testing.

For more technical information or detailed procedure about how the product should be used, please contact FerroChem.

Website www.ferrochemndt.com or
Email Id info@ferrochem.net kind attention : Q.C. Department

