FerroChem

FerroChem NDT Systems Pvt. Ltd.

Red Penetrant Solvent Removable

CRACK CHECK, FC-911/2

420 ml in Aerosol Can

For

Crack Detection by Liquid Penetrant Inspection Method

Code No.: 911/2

Solvent-Removable Red Penetrant (Type 11, Method C)

For crack detection by Liquid Penetrant Inspection Method.

Technical Details:

- Colour: Red
- Aerosol Can Volume: 500 ml
- Net Content : 420 ml (Product + Propellant)
- Weight : 395 gm (approximate) per can
- **Coverage Area: One can is capable of testing surface of 13 square meter area (Approximately a square of size 3.61 meter by 3.61 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 Industry[1]
- ASTM E-1417 :Standard Practice for Liquid Penetrant Testing[1]
- EN ISO 3452-2 : Non-destructive testing – Penetrant testing Part 2 : Testing of Penetrant Material

Approvals:

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

Desirable Recommendations :

- For good results it is necessary to be used with Ferrochem Products only i.e. Developer i.e. FC-811 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 50^0C.
- Always store can vertically.

Safety:

- Please note that propellant used is a flammable gas. 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.

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Sr.No.2.1.1