

Approvals and conformities

ASME
RCC-M
ISO 3452-2
ISO 3452-6

MANUFACTURER : NDT-Europa (NL)**DESCRIPTION / APPLICATION(S) :**

Type II, Method C (solvent removable) level 2 penetrant, as per AMS 2644 and ISO 3452-2 standards, used in the range of temperature +10°C to -30°C (ISO 3452-6).

Free of rhodamine and Azo III A2 amine (diazo)

Companion products : cleaner DR-62, N120, developer D-106

DIRECTIONS FOR USE

Surface must be free of contaminants, **even inside flaws**. Use adequate methods to remove oxides, paints, oils, water, etc.

Prior to applying penetrant, wipe out with cleaner N120 or DR-62 and rags.

Apply penetrant by any adequate means (spraying, brushing, flowing, dipping, etc.)

Dwell time :

For very low temperature (-15°C to -30°C), 40 minutes are recommended. Between 0°C and -15°C, 30 min and between +10°C and 0°C, 20min.

Excess of penetrant removal :

This is a delicate operation. Remove the excess penetrant from the surface, being careful not to touch the penetrant trapped in the defects.

LTP-82 is removed as following:

- Wipe off the excess of penetrant from the surface using clean rags.
- Using rags lightly moistened with N120 or DR-62, wipe again.
- As a final step, wipe with clean, dry rags.

NEVER SPRAY DIRECTLY N120 OR DR62 ON PARTS.

Drying :

Wait several minutes to allow evaporation of N120 or DR-62

Applying the developer :

D-106 is recommended.

Inspection :

At low temperature it is recommended to wait approximately 30min before inspection.

Inspection conditions:

Parts shall be inspected as per ISO 3059 standard requirements. Inspection is better off when using a “cool white” light, colour temperature being more than 4500K and colour rendition index more than 80 or light with an illuminating index of D65. It is recommended NOT TO USE undervoltaged incandescent bulbs, as it often happens with battery-operated units, this giving a yellowish light.

TECHNICAL CHARACTERISTICS

Compatible with any metal, ceramics and some synthetic materials
Low content in sulphur and halogens

Appearance red liquid
Flash point +13°C

PRECAUTIONS FOR USE AND STORAGE

Transport / Handling : Refer to Material Safety Data Sheet (MSDS).
Storage : Keep away from moisture
Temperature range : -5°C à 50° C
Keep packaging closed after taking out some of the product

1 Date : 05-07-2017 Written and checked by : F. Héron

This technical data sheet replaces and cancels the previous one.

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