



CONTRAST (RED-WHITE) PENETRANT TESTING

NORD-TEST PENETRANT SYSTEM

The NORD-TEST penetrant system is widely applied for parts testing in engineering and automobile industry, ship and boiler building, welding, etc. within a temperature range from -5°C to +50°C.

In order to assure the proper sensitivity while testing at low temperature (from -5 °C to +10 °C) it is necessary to increase the penetration time according to the requirements of EN ISO 3452-6.

For testing at higher temperature (from 65° C to 180° C) the SUPER-CHEK penetrant system has been developed specially.



The NORD-TEST penetrant system was tested and approved in accordance with EN ISO 3452-2, KTA and meets the requirements of Lloyd's Register of Shipping, Bureau Veritas, Bureau Central Hollandais, Germanischer Lloyd, MIL-I-25135/QPL-25135, AMS 2644, ASME Boiler and Pressure Vessel, ASTM E165 und ASTM E1417. The low content of sulfur and halogens was ascertained and confirmed according to ASTM E 165-02 and ASTM D 516-02, as well as to requirements of KWU and EN ISO 3452-2.

| <i>Product name</i> | <i>Sensitivity level DIN EN ISO 3452-2</i> | <i>Removal method</i> | <i>Product information</i> |
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| <i>NORD-TEST Cleaner U 87</i> | NA <u>Delivery form:</u> Spray can 500 ml Can 1 L Can 10 L Cask 200 L | NA Art.No.121.300.101 Art.No.121.300.102 Art.No.121.300.103 Art.No.121.300.104 | Environmentally safe alcohol based cleaner. Class 2 - Nonhalogenated solvent remover. Fast evaporating without residues. |
| <i>NORD-TEST Kontrastrot U88 Penetrant</i> | Level 2 (high sensitivity) <u>Delivery form:</u> Spray can 500 ml Can 1 L Can 10 L Cask 200 L | A - water washable; C - solvent removable; E - water and solvent removable Art.No.121.300.201 Art.No.121.300.202 Art.No.121.300.203 Art.No.121.300.204 | Highly sensitive, deep red penetrant (Type II) with good wetting properties. Well washable. Practically odor-free. |
| <i>NORD-TEST Rot 3000 Penetrant</i> | Level 2 (high sensitivity) <u>Delivery form:</u> Spray can 500 ml Can 1 L Can 10 L Cask 200 L | A - water washable; C - solvent removable; E - water and solvent removable Art.No.121.300.301 Art.No.121.300.302 Art.No.121.300.303 Art.No.121.300.304 | Red, fluorescent penetrant (Type III) without azo dye. Biodegradable. Very well washable. Practically odor-free. Fluorescent under UV irradiation for brilliant indications. |
| <i>NORD-TEST FP 90 blue N Penetrant</i> | Level 2 (high sensitivity) <u>Delivery form:</u> Can 200 ml Can 1 L Can 10 L | A - water washable; C - solvent removable; E - water and solvent removable Art.No.122.500.125 Art.No.122.500.122 Art.No.122.500.123 | Blue-fluorescent penetrant (Type I). Non- hazardous (no labelling required). Intrinsic color: transparent uncolored. For special applications to avoid discoloration of sensitive surfaces. |
| <i>NORD-TEST Food Penetrant</i> | Level 2 (high sensitivity) <u>Delivery form:</u> Can 1 L | C - solvent removable Art.No. 124.000.102 | Blue penetrant in food quality – safe for testing in food preparation and storage areas. Highly sensitive. Also usable for conventional industrial applications. |
| <i>NORD-TEST Developer U 89</i> | NA <u>Delivery form:</u> Spray can 500 ml Can 1 L Can 10 L Cask 200 L | NA Art.No.121.300.701 Art.No.121.300.702 Art.No.121.300.703 Art.No.121.300.704 | Fine-grained white powder suspension on alcohol base. Flavoring free. Short drying time. Forms a thin and homogenous layer. |
| <i>NORD-TEST Set 12 x 500 ml</i> | <u>Delivery form:</u> 1 carton with 12 spray cans | Art.-Nr.121.300.750 | 1 set contains: 6 spray cans NORD-TEST Cleaner U87 2 spray cans NORD-TEST ROT 3000 4 spray cans NORD-TEST Developer U89 |