

Product information CPD-System

- Description** System for non-destructive material testing using penetrant method.
 Suitable for ferrous and nonferrous metals.
 Approved according to DIN EN ISO 3452-2.
 The testing system CPD 100 consists of the components:
 - Cleaner CPD 100 R1-S
 - Dye penetrant red CPD 100 PR-S
 - Developer CPD 100 E-S
- Field of use** With **CPD-System** surface defects on castings of ferrous and nonferrous metals can be proven quickly, nondestructive and without much effort.
- Application**
- 1. Clean**
 Free parts with CPD 100 R1-S thoroughly from grease, oil or other contaminants and leave to dry. The defect must be open to the surface.
 - 2. Apply dye penetrant**
 Spray the dye penetrant CPD 100 PR-S onto the cleaned and dried surface and leave for 5-10 minutes.
 - 3. Clean**
 Excess of dye penetrant either
 - rinse with water or
 - wipe off with CPD 100 R1-S (apply on a cloth) and leave the surface to dry.
 - 4. Develop**
 Spray on the developer very thinly from about 20 cm away. Faults are shown in red, which can be evaluated after 5 - 10 minutes.
- Note:** Too much developer can hide fine faults.

Technical data

	CPD 100 R1-S	CPD 100 PR-S	CPD 100 E-S
Colour:	colourless	red	white
Density (20 °C):	approx. 0,684 g/cm ³	approx. 0,717 g/cm ³	approx. 0,65 g/cm ³
Boiling point/boiling range:	Not applicable	approx. - 44 °C	approx. - 44 °C
Flash point:	approx. - 97 °C	approx. - 97 °C	approx. - 97 °C

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All information in this data sheet are based on our current knowledge and experience. A legally binding assurance of certain properties or suitability for a specific purpose cannot be derived. Each user of our products has to verify the usability for its specific purpose in his personal responsibility. Rights must be observed if required.

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Packaging	<u>Box with 6 / 12 spray cans á 500 ml</u> <u>(Arrangement according to customer requirements)</u>
Storage	Protect CPD-System from direct sunlight and temperatures above 50 °C. Keep away from open flames and other ignition sources. Pressurised container! Shelf life 24 months when properly stored inside in original unopened container.
Regulations and information	CPD-System is classified and labeled according to the CLP regulation and corresponds to the current EC regulation. Information about transport regulations, fire-fighting measures, accidental release, ecology and further information can be found in the material safety data sheet.

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