

PFINDER 860

Colour contrast penetrant

Version 2 / (GB)
811 8600
01.02.2010

Description

PFINDER 860 is a direct water-washable colour contrast penetrant (red) of the sensitivity level 2 for crack detection of surfaces. Due to its user-friendly rinsability PFINDER 860 provides low residual back-ground even on rough metal surfaces.

PFINDER 860 is qualified for penetrant testing at temperatures between -20 °C to +100 °C (temperature of work part) according to EN ISO 3452-5 and EN ISO 3452-6.

Penetrant type II according EN 571-1.

Product benefits

- Bright, sharp indications with high contrast.
- Easy rinsability = low residual background.
- Reduced consumption due to low viscosity.

Approvals / conformities

The product conforms to the following specifications / is suitable for use according to:

EN ISO 3452-2, 3452-5, 3452-6, ASME V Art.6, ASTM E165, RCCM.

Low content of sulfur and halogens according to EN ISO 3452-2.

Please respect the relevant rules and specifications for your application.

Application

Process description according EN 571-1 see www.penetranttesting.com.

For applications at temperatures below +10 °C and above +50 °C acc. to EN ISO 3452-5 and EN ISO 3452-6 penetration time has to be adapted as follows (values are referring to the temperature of the work part. Spray cans must not be warmed up above +50 °C):

At +100 °C to +50 °C: penetration time up to 15 minutes,
at +50 °C bis +10 °C: according EN 571-1 and EN ISO 3452-2,
at +10 °C bis 0 °C: usual penetration time x2,
at 0 °C to -10 °C: usual penetration time x3,
at -10 °C to -20 °C: usual penetration time x 4.

Process description according EN 571-1 see www.penetranttesting.com.

The capability of penetrant system should be checked regularly by means of own reference pieces or e.g. reference test block 2 according EN ISO 3452-3 (Art. no. 811 0001).

For handling of UV-light we generally recommend the use of suited protection wear, e.g. PFINDER safety glasses with 100% UV-filter (Art. no. 811 0600).

Technical data (active component)

Density/20 °C	DIN EN ISO 12185	approx. 920 kg/m ³
Viscosity/20 °C	DIN EN ISO 3104	approx. 10,5 mm ² /s
Flashpoint	ASTM D 93	> 100 °C
Sensitivity	EN ISO 3452-2	Level 2

Technical data (spray can)

Flashpoint	<-40 °C
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Delivery form

Dark-red liquid.

Packages

200-L-barrel, 30-L-canister, 5-L-canister, 500-mL-spray can.

Storage / shelf-life

Between +5 °C and +45 °C at least 2 years.

Spray cans: Between +5 °C and +45 °C at least 3 years.

www.penetranttesting.com

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