Technical Sprays
Special Sprays

Crack Testing Agent Penetrant



Diffusion agent for the non-destructive material testing by means of colour penetrant inspection

Red dye penetrant with excellent capillary action for non-destructive material testing - washes off with solvent. Suitable for metals, many plastics, ceramic materials, glass etc. The suitability for plastic has to be tested in advance.

Technical data

Odour		solvent
Colour		red
Specific properties		very good capillary action
Silicone-free		yes
Processing temperature		0 °C bis +50 °C
contact time		5 - 15 min.
Minimum shelf life	at room temperature	24 mon.
Temperature resistance		0 °C to +50 °C
Compatible with Double Nozzle		no

Approvals / Guidelines

MIL-Spec	complies with	MIL-SPEC I-25135D

Application

1. Thoroughly remove grease, oil or other contaminants from parts with WEICON Crack Testing Agent Cleaner and dry them off, avoiding mechanical cleaning to prevent closing the flawed areas.

2. The processing temperature should be between 0°C to +50°C. Apply WEICON Crack Testing Agent Penetrant to the cleaned and dry surface and allow to take effect for 5–10 minutes. Apply 20 cm beyond the area to be tested. Due to the special valve, overhead application is possible.

3. Remove excess penetrant from the surface with a lint-free cloth slightly moistened with WEICON Crack Testing Agent Cleaner.

4. Spray WEICON Crack Testing Agent Developer from a distance of approx. 20 cm. Spray on just enough developer to create a white background on the surface. Too much developer can hide fine cracks! After a short time, cracks and defects become visible as red lines and dots. After 5–10 minutes, make the final visual evaluation.

Storage

Container is pressurised. Protect from direct sunlight and temperatures above +50 °C.

Instructions for use

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes

10047461 Crack Testing Agent Penetrant, 500 ml, red

To the product detail page:

Note
The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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