

Cantesco® Dye penetrant inspection

Short description

Cantesco® Dye Penetrant is a DIN EN ISO 3452-1 certified system for detecting surface cracks on solid materials. It consists of three components (dye, cleaner, developer) and guarantees inspection reliability in temperatures ranging from +10°C to +50°C.

Application area

The dye penetrant inspection system is suitable for solid materials, e.g. steel, ceramic and plastic. Remove any contaminants, such as rust, scale and paint residue, from the surface of the test specimen prior to the inspection. Use Cantesco® Cleaner to ensure the surface being inspected is free from oil and grease. Spray Cantesco® Dye Penetrant onto the clean surface and wait for 5 minutes. Remove any excess dye penetrant using a lint-free cloth and Cantesco® Cleaner. Subsequently apply Cantesco® Developer Spray and evaluate any indications. After inspection of the surface, Cantesco® Dye Penetrant can be removed fully. The system is water and solvent washable.

Physical and chemical features

	Penetrant	Cleaner	Developer
Explosion limits			
lower:	0,5 Vol%	1,5 Vol%	1,5 Vol%
higher:	10,9 Vol%	13,0 Vol%	13,0 Vol%
Ignition temperature	225°C	365°C	365°C
Density	0,745 g/cm³	0,710 g/cm³	0,694 g/cm³
VOC	725,9 g/l	709,7 g/l	664,9 g/l

Colour

- Developer - white
- Penetrant - red
- Cleaner - clear

Product features

- ready to use
- 24 months storage ability

Package size

500 ml aerosol can

Material consumption

Depends on consumer

Important notice

Hazard notes, protective measures, hazardous material classes and disposal can be found in the safety data sheet of this product. All products are provided in certified containers and labelled according to customer specifications in line with relevant hazardous substances and goods guidelines.

Protect aerosol from sunlight and temperatures exceeding 50°C, may burst if heated. Formation of explosive vapor/air mixtures.

Based on our experience and to the best of our knowledge, this technical data is up to date and all information is current. As there might be operating conditions of which we have no knowledge and cannot have any knowledge, this data sheet shall be considered for information only and without responsibility. For the benefit of technical advances and the outcome of such advances, we reserve the right to make changes to the data without any prior notification. With the issuance of this publication, all prior technical information shall be considered null and void. When you contact us, you have the option to take advantage of our technical service consultants to find out about the various applications. Please ensure to request a written confirmation after receiving a verbal statement. For the rest, our terms and payment conditions apply.

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