

Solvent Rub Resistance Tester

BGD 521

Product Description

The BGD 521 Solvent Rub Resistance Tester is designed in accordance with ASTM D 4752 and NCCA 11-18 (Test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub). The Solvent Rub Test is typically conducted using methyl ethyl ketone (MEK) as the solvent. The MEK resistance, or degree of cure, is applicable to both paint topcoats and primers.

ASTM D4752 entails rubbing the surface of a baked film with cheesecloth soaked in MEK until the film fails or breaks through. The type of cheesecloth, stroke distance, stroke rate, and approximate applied pressure of the rub are specified. The rubs are counted as a double rub, where one rub forward and one rub backward constitute a double rub.

The test is widely used in the paint industry as it offers a rapid and relative estimation of the degree of cure without the need for long-term exposure results. It has been reported that tests on two-component zinc-rich primers have shown a good correlation with the cure of the primer, as determined by diffuse reflectance infrared spectroscopy.



Standards

- ASTM D 4752
- NCCA11-18

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Technical Specification

- Adjustable variable speed: 5 to 95 cycles per minute
- Micro-computer control with an LCD displaying data and set parameters
- Freely settable parameters with permanent storage capability
- The glass work platform for easy cleaning

Rubbing Weight	1000±10 g
Rubbing Speed	5-95/min (stepless speed regulation)
Rubbing Head Diameter	14±0.5 mm (area is 1cm ²)
Rubbing Distance	120mm (can be customized < 120mm)
Rubbing Times	0~9,999
Overall Dimensions	270×310×340mm (LxWxH)
Motor Power	60W/220V/50Hz
Weight	15 kg

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Main Technical Parameters

Ordering information: BGD 521 Solvent Rub Resistance Tester

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