

Solvent Rub Resistance Tester

BGD 521 Solvent Rub Resistance Tester is designed according to ASTM D 4752 and NCCA11-18 *Test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub*. The Solvent Rub Test is usually performed using methyl ethyl ketone (MEK) as the solvent. The MEK resistance or degree of cure applies to paint topcoats and primers.

ASTM D 4752 involves rubbing the surface of a baked film with cheesecloth soaked with MEK until failure or break through of the film occurs. The type of cheesecloth, the stroke distance, the stroke rate, and approximate applied pressure of the rub are specified. The rubs are counted as a double rub (one rub forward and one rub backward constitutes a double rub).

The test is used widely in the paint industry because it provides a quick relative estimation of degree of cure without having to wait for long-term exposure results. It has been reported that the tests of two-component zinc-rich primers has shown good correlation with the cure of the primer as determined by diffuse reflectance infrared spectroscopy.

- ◆ Intelligent microcontroller control, featuring stepless speed adjustment and automatic counting
- ◆ Touchscreen interface that directly displays friction speed, friction cycles, and preset test cycles
- ◆ Wide voltage range design (110-220V; 50/60Hz), good compatibility
- ◆ Parameters set freely and permanently storage.
- ◆ Glass work platform is easy to clean



Main Technical Parameters:

- ★ Rubbing weight: 1,000 ± 10 g
- ★ Rubbing speed: 5~95/min (stepless speed regulation)
- ★ Rubbing head diameter: 14 ± 0.5 mm (area is 1.5 cm²)
- ★ Rubbing Distance: 120mm (also can be customized)
- ★ Rubbing times: 0~9,999
- ★ Power Supply: AC 110V ~ 220V; 50Hz ~ 60 Hz
- ★ Overall Size: 350mm × 375mm × 305mm (L × W × H)
- ★ Net Weight: 16.7KG
- ★ **Ordering Information:** BGD 521---Solvent Rub Resistance Tester