



Dell Latitude Rugged Devices

Sanitizing & Chemical Solutions - Testing Guide

Dell tests the Latitude 7230 and Latitude 7030 Rugged Extreme tablets, the Latitude 5430 Rugged and Latitude 7330 Rugged Extreme laptops with sanitizing and chemical solutions. This ensures that these Dell Latitude Rugged devices can withstand these solutions in the real world and customers can continue to operate, germ-free, in applicable healthcare, chemical, and food-processing environments.

Learn more about the testing procedures and results when using sanitizing and chemical solutions with Dell Latitude Rugged devices.

Sanitizing Solution

Tested for use with
Medical Envirocide,
Alcohol and Bleach

Testing Procedure

- To begin the test procedure, an auto-wash mitt was saturated with the solution with 8 sprays
- The surface was then sprayed on, and the system wiped down and sprayed again. 50 such cycles were completed
- This was repeated 5 times taking the number of times system was wiped down to 250 cycles
- This test was repeated for 40 days, with the mitt saturated with the solution every day, taking the number of times the system was wiped down to a total of 10K cycles

Testing Results



**LATITUDE 7030
RUGGED EXTREME**



**LATITUDE 7230
RUGGED EXTREME**



**LATITUDE 5430
RUGGED**



**LATITUDE 7330
RUGGED EXTREME**

	LATITUDE 7030 RUGGED EXTREME	LATITUDE 7230 RUGGED EXTREME	LATITUDE 5430 RUGGED	LATITUDE 7330 RUGGED EXTREME
ENVIROCIDE	Pass	Pass	Pass	Pass
ISOPROPYL ALCOHOL (100%) CLOROX® PERFORMANCE BLEACH (5-10% SODIUM HYPOCHLORITE)	Pass	Pass	Pass	Pass
SUPER SANI-CLOTH® GERMICIDAL DISPOSABLE WIPE	Pass	Pass	Pass	Pass
CAVIWIPES™ 2.0	Pass	Pass	Pass	Pass
CLOROX® DISINFECTING WIPES₁ FRESH SCENT	Pass	Pass	Pass	Pass
ENVIROCIDE™	Pass	Pass	Pass	Pass

For all tests above, customers are recommended to buy Rubberized keyboard for corrosive environments.

Chemical Solutions

Tested for use with select chemicals

Testing Procedure

- Drops of chemical solutions were left to stand on parts of Dell Latitude Rugged devices for 10 days and then inspected for cosmetic blemishes and/or material damage

Testing Results



**LATITUDE 7030
RUGGED EXTREME**



**LATITUDE 7230
RUGGED EXTREME**



**LATITUDE 5430
RUGGED**



**LATITUDE 7330
RUGGED EXTREME**

	LATITUDE 7030 RUGGED EXTREME	LATITUDE 7230 RUGGED EXTREME	LATITUDE 5430 RUGGED	LATITUDE 7330 RUGGED EXTREME
GASOLINE	Pass ¹	Pass ¹	Pass ¹	Pass ¹
DIESEL	Pass ¹	Pass ¹	Pass ¹	Pass ¹
MOTOR OIL	Pass ¹	Pass ¹	Pass ¹	Pass ¹
RED LOCTITE	Pass ¹	Pass ¹	Pass ¹	Pass ¹
SUPER GLUE	Pass ¹	Pass ¹	Pass ¹	Pass ¹
MEK	Pass ¹	Pass ¹	Pass ¹	Pass ¹
DP810	Pass ¹	Pass ¹	Pass ¹	Pass ¹
ALCOHOL	Pass ¹	Pass ¹	Pass ¹	Pass ¹
ACETONE	Pass ¹	Pass ¹	Pass ¹	Pass ¹
OIL BASE FURNITURE CLEANER	Pass ¹	Pass ¹	Pass ¹	Pass ¹
KEROSONE	Pass ¹	Pass ¹	Pass ¹	Pass ¹
BLEACH	Pass ¹	Pass ¹	Pass ¹	Pass ¹
ENGINE DEGREASER	Pass ¹	Pass ¹	Pass ¹	Pass ¹
PAINT THINNER	Pass ¹	Pass ¹	Pass ¹	Pass ¹

¹Pass indicates no cracks or deformation of the material have occurred post exposure

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