



# Dell Latitude Rugged Devices

## Sanitizing & Chemical Solutions - Testing Guide



Dell tests the Latitude 7230 Rugged Extreme tablet, 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 7230 Rugged Extreme	 Latitude 5430 Rugged	 Latitude 7330 Rugged Extreme
Envirocide	Pass	Pass*	Pass*

\*Requires rubberized keyboard

## 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 7230 Rugged Extreme	 Latitude 5430 Rugged	 Latitude 7330 Rugged Extreme
Isopropyl Alcohol (100%) Clorox <sup>(R)</sup> Performance Bleach (5-10% Sodium Hypochlorite)	Pass	Pass	Pass




# 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 7230 Rugged Extreme	 Latitude 5430 Rugged	 Latitude 7330 Rugged Extreme
Gasoline	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Diesel	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Motor Oil	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Red Loctite	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Super Glue	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
MEK	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
DP810	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Alcohol	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Acetone	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Oil base furniture cleaner	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Kerosone	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Bleach	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Engine Degreaser	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>
Paint Thinner	Pass <sup>1</sup>	Pass <sup>1</sup>	Pass <sup>1</sup>

<sup>1</sup>Pass indicates no cracks or deformation of the material have occurred post exposure





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