



Resistance of RapidShield™ 1002 CT WB Matte Topcoat Against Chemicals

Counter tops coated with RapidShield™ have excellent chemical resistance. RapidShield™ 1002 CT WB Matte Top Coat has excellent resistance to a wide variety of substances typically found in the kitchen and bath as well as industrial and residential cleaners. RapidShield™ 1002 CT WB Matte Topcoat's superior chemical resistance is also demonstrated by its resistance to a variety of solvents along with acid and alkaline solutions.

During simulation tests, the test samples were applied immediately after curing RapidShield™ 1002 CT WB Matte Topcoat and covered with a 100 mm diameter watch glass to minimize evaporation of the test material. After 24 hours, half of the areas under the watch glass were wiped clean and observations

recorded. After seven days, the remainder of the test material was wiped off and observations were recorded.

The following tables give an indication of chemical resistance.

Key to observations:

- P: Pass - no indication of adhesion loss, change in color, reduction in gloss or reduction in hardness
- D: Dull - Reduced Gloss
- DS: Discolor - Stained
- F: Fail - Complete Failure
- S: Soften - Weakened Film

Chemical	After 24 Hours	After 7 Days
Industrial and Residential Chemicals		
10W40 Motor Oil	P	P
Dot 4 Break Fluid	P	P
Power Steering Fluid	P	P
Zerex Antifreeze	P	P
Gear oil	P	P
Hydraulic oil	P	P
Transmission Fluid	P	P
Hydrogen Peroxide	P	P
MEK-Peroxide	P	P
Industrial and Residential Cleaners		
Murphy's Oil Soap	P	P
ZEP Glass Cleaner	P	P
Borax Solution	P	P
Krud Kleaner	P	P
5% tide Soap	P	P
ZEP Formula 50	P	P
Chlorox Bleach	P	P
Red Giant 500 Cleaner	P	P
Oxiclean Solution	P	P
QUAKER FORMULA™ 409	P	P

Chemical	After 24 Hours	After 7 Days
Industrial and Residential Cleaners Continued		
TSP Cleaner Solution	P	P
CLR Cleaner	P	P
Iodine	DS	DS
KEMIKO® 2451	P	P
KCMA and Concrete Counter Top Reagents		
Generic Yellow Mustard	P	P
Ketchup	P	P
Tapatio Hot Sauce	P	P
100 Proof Alcohol	P	P
Coffee	P	P
Grape Juice	P	P
Orange Juice	P	P
Lemon Juice	P	P
Olive Oil	P	P
Vinegar	P	P
Red Wine	P	P
Vegetable Oil	P	P
Blood	P	P
Urine	P	P



Indications of Chemical Resistance Continued

Chemical	After 24 Hours	After 7 Days
Solvents (Alcohols)		
Ethanol	P	P
Isopropyl Alcohol	P	P
Methanol	P	P
Solvents (Aliphatic)		
Lactone Spirits	P	P
VM&P Naptha	P	P
Gasoline 87 Octane	P	P
Mineral Spirits	P	P
Solvents (Aromatic)		
Xylene	P	P
Solvents (Ketones and Ethers)		
Acetone	P	P
Methyl Ethyl Ketone (MEK)	P	P
Methyl IsoButyl Ketone (MIBK)	P	P
Ethylene Glycol Monobutyl Ether (EB)	P	P
Acids, Inorganic		
H ₃ PO ₄ Phosphoric Acid, 10%	P	P
H ₂ SO ₄ Sulfuric Acid, 10%	P	P
Battery Acid	P	P
Acids, Organic		
Citric Acid, 10%	P	P
Acetic Acid, 10%	P	P
Vinegar (Acetic Acid)	P	P
Alkalines		
NaOH Sodium Hydroxide, 50%	P	D
NaOH Sodium Hydroxide, 29%	P	P
KOH Potassium Hydroxide, 10%	D	F

Key to observations:

- P:** Pass - no indication of adhesion loss, change in color, reduction in gloss or reduction in hardness
- D:** Dull - Reduced Gloss
- DS:** Discolor - Stained
- F:** Fail - Complete Failure
- S:** Soften - Weakened Film

CHEMICAL RESISTANCE RAPIDSHIELD™

For any questions or concerns, please contact your local RapidShield™ representative.

The information contained herein is based on data available to us and is believed to be accurate. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT. Quaker Chemical Corporation assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of Quaker Chemical Corporation.