

CHEMICAL RESISTANCE



The ability of Cerakote™ H-146 to resist chemical attack was tested by dipping coated panels into a series of solvents to which the coating may be exposed during regular use and extreme conditions. The panels were placed in the solution and allowed to sit for 24 hours. Afterward, the samples were removed, analyzed and assigned a rank depending on the resistance to each specific chemical. The results of this test are shown in the table below.

The performance of Cerakote™ H-146 was classified as excellent for 14 of the solvent tests. This indicates that the coating was not affected following a 24-hour immersion in the solvents. The coating also showed good resistance to HCl and experienced only a slight change in texture after 24-hour immersion.

SOLVENT	CERAKOTE™ H-146
● GUN CLEANER	★ ★ ★ ★ ★
● WD-40	★ ★ ★ ★ ★
● BRAKE CLEANER	★ ★ ★ ★ ★
● DENATURED ALCOHOL	★ ★ ★ ★ ★
● LACQUER THINNER	★ ★ ★ ★ ★
● METHYL ETHYL KETONE	★ ★ ★ ★ ★
● ACETONE	★ ★ ★ ★ ★
● GASOLINE	★ ★ ★ ★ ★
● MINERAL SPIRITS	★ ★ ★ ★ ★
● PAINT STRIPPER	★ ★ ★ ★ ★
● 5% HCL SOLUTION	★ ★ ★ ★

★ ★ ★ ★ ★ = EXCELLENT CHEMICAL RESISTANCE
 ★ ★ ★ ★ = GOOD CHEMICAL RESISTANCE
 ★ ★ ★ = FAIR CHEMICAL RESISTANCE
 ★ ★ = POOR CHEMICAL RESISTANCE
 ★ = NO CHEMICAL RESISTANCE

DIVISIONS OF NIC INDUSTRIES: