



## **Product Description**

Specialty Coatings SC603 is a pre-applied water-borne, crosslinked coating providing excellent solvent resistance and good flexibility. It was originally designed to reduce the torque of mating fasteners and exhibits less torque/tension variability than cadmium platings and wax finishes. Specialty Coatings SC603 does not induce hydrogen embrittlement. This cost-effective coating has the added advantage of a low VOC content.

## **Typical Properties**

Color	Black
Pencil Hardness (ASTM D3363)	>3H
Film adhesion (ASTM D3359)	Pass
Film adhesion (ASTM D-2510)	Pass
MEK Resistance (ASTM D5402-93)	>100 double rubs
Torque – Tension (ASTM D5648-94) (3/8 x 16 x 1.25” dry zinc phosphate coated steel nuts and bolts) K value = torque / (tension x bolt diameter)	0.14K Value

## **Environmental and Fluid Resistance**

	<b>Pass/Fail</b>
Fluid Resistance (ASTM D-2510)	
Hot Transmission Fluid Test (Immersion at 280°F for 100 Hours)	Pass
1,1,1-Trichloroethane (O-T-634)	Pass
JP-4 Jet Fuel (MIL-T-5624)	Pass
Synthetic Hydraulic Fluid (MIL-H-83282)	Pass
Silicone Damping Fluid (VV-D-1078)	Pass
Thermal Stability (ASTM D-2511)	Pass
Saltwater (may provide some corrosion protection to base material)	Pass

## **General Information**

### **Storage**

Processed product should be stored in a cool and dry location at temperatures between -10°C to 30°C. Optimal storage is 22±4°C. Shelf life is 5 years from date of manufacture when stored at 22±4°C.

### **Note**

Data furnished is for information only and is believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.

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