

## **Vortex Technical Data**

**Description:** The Vortex Material is comprised of a plural component, Polyurethane / Polyurea blended base component with a low viscosity, non-temperature sensitive isocyanate catalyst formulation.

### **Technical Data:**

Hardness of Vortex Material: Shore D Hardness of 55+(ASTM-D2240)

Tensile Strength: 3,025+PSI (ASTM D638-94b)

Elongation: 275% + (ASTM D-412)

Tear Resistance Factor: 475 PLI (Tear) (ASTM D624)

Flexural Modulus (Compaction / Impact Factor) 52000 + PSI (ASTM D790)

Abrasion Resistance (Taber Test / Grams Removed) >0.075 - 250 Cycles

>0.075 - 500 Cycles

>0.14 - 1000 Cycles (ASTM C501)

Impact Resistance / Ft - Lbs. 4.5 (ASTM D256)

Impact Resistance / Ft - Lbs. @ - 40F 0.4 (ASTM D256)

Viscosity Average in Centipoise Scale 371 (cps)

Set up time from Spray gun Approx 8 seconds

VOC Amount (Volatile Organic Compounds) 0

Percent Solids 100%

Flammability (DOT Shipping Reg) Non-Flammable

Chlorofluorocarbon (CFC) Release None

ISO Release Form Product <1/100th of 1% by vol

USDA / FDA Incidental Food Contact Meets Standards

NZFSA Approved C41

FLAME SPREAD (ASTM E648) .31 Fire hazard classification – Class 2