

**Nukote Polyurea on Geotextile Fabric**

Nukote polyurea’s physical properties, including abrasion resistance, ease of application, expedited return to service times, aesthetic appearance, and insensitivity to blistering during application and curing, make Nukote polyurea the coating of choice for large, industrial primary and secondary containment projects. While many of these projects are coated directly onto prepared steel or concrete, Nukote Coating Systems has pioneered the use of geotextile fabric as the preferred substrate for many applications. When applied properly, the Nukote-geotextile system provides outstanding performance at a fraction of the cost of other systems.

Some of our geotextile systems have been applied over poor quality concrete or steel substrates, but most are applied directly on the ground. This is especially cost effective for large containment projects where pouring a concrete containment facility is costly and time consuming. The following test reports show some of the basic physical properties of the Nukote-geotextile system.

**Polyurea Applied over Geotextile Fabric**

<b>Type of Test</b>	<b>ASTM</b>	<b>Results</b>
Hardness (0s)	<b>D2240-81</b>	<b>D48</b>
Hardness (10s)	<b>D2240-81</b>	<b>D40</b>
Tensile Strength—(psi)	D638	4426.6
Elongation—(%)	<b>D638</b>	429.0
Modulus (100%)—(psi)	<b>D638</b>	693.8
Modulus (300%)—(psi)	<b>D638</b>	1005.0
Load—(lb)	<b>N/A</b>	46.97
Tear Strength—(pli)	<b>D624</b>	755.1
Tabor Abrader—H-18 Wheel	1,000 cycles, 1,000 gram load	113.4 mg loss
CS-17 Wheel	<b>1,000 cycles, 1,000 gram load</b>	9.6 mg loss
MVT(perm)	<b>E96-80</b>	0.0964

**Test results from Huntsman Corporation.**