

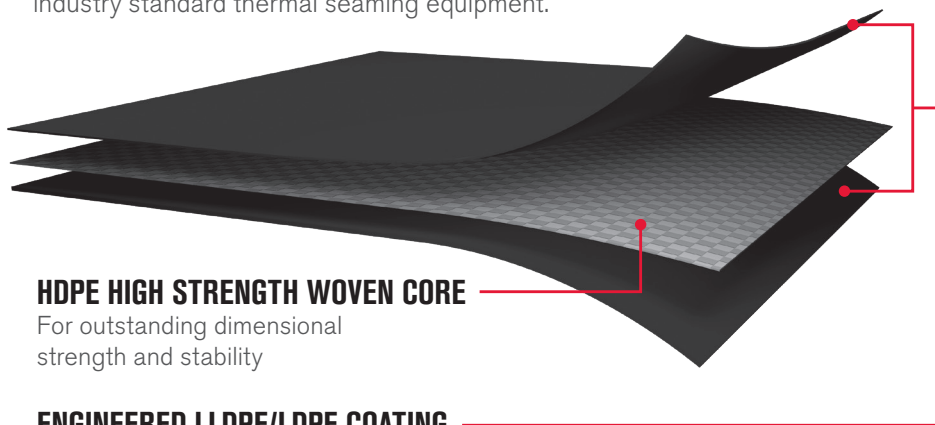


# RhinoSkin® 40DS



## MAXIMUM STRENGTH & PERFORMANCE

RhinoSkin™ 40DS is a very high strength geomembrane specifically engineered for use as heavy-duty liners and covers for various applications in oil fields, landfills, spill containments, remediation, trucks and railcars, waste water, ponds and pools. It incorporates 2 high density polyethylene scrims and coated two sides with LDPE. This design provides 40 mil protection with ultra high puncture and tear resistance. 40DS is easy to weld in the factory and in the field with industry standard thermal seaming equipment.



### HDPE HIGH STRENGTH WOVEN CORE

For outstanding dimensional strength and stability

### ENGINEERED LLDPE/LDPE COATING

For flexibility, chemical resistance and protection against UV, ozone and oxidation.

## FEATURES

- Exceptional UV, ozone, and oxidation resistance
- Puncture, abrasion and chemical resistant
- Non-toxic, no PVC or other hazardous materials used in construction of fabric
- Low water vapor permeability

800.567.9727  
geosynthetics@owenscorning.com

[www.owenscorning.com/geosynthetics](http://www.owenscorning.com/geosynthetics)

## APPLICATIONS

Liquid containment, golf course ponds, retention ponds, irrigation reservoirs and canals, agricultural ponds, pond liners, above ground fracking tanks, covers – agricultural, soil, manure, salt and general purpose, wastewater lagoons, interim covers, heavy-duty covers, environmental protection, landfill covers and liners, spill containment, remediation and more.

## SIZES & COLORS

- **144" wide rolls (3.66m)**
- **40 mil thickness**
- **Black**

PROPERTY	TEST/METHOD	RHINOSKIN 40DS TYPICAL VALUES
Nominal Weave		20 x 18 ppi
Coating		LDPE @ 2.5 mil thickness
Core Fabric		HDPE
Weight	ASTM D5261	618 g/m <sup>2</sup> ± 5 % (18 oz/yd <sup>2</sup> ± 5%)
Nominal Thickness**	ASTM D1777	4.0 mils (1.02 mm)
Color		Black
Available Sizes		144" (3.66m) wide
Tensile Strength	ASTM D751	MD 650 lbs (295 kg)   CD 630 lbs (286 kg)
Trapezoidal Tear	ASTM D4533	MD 150 lbs (68 kg)   CD 130 lbs (59 kg)
Mullen Burst	ASTM D751	1200 psi (8276 kPa)
Accel. UV Weathering	ASTM G154	>90% strength retained after *2000 hrs exposure
Hydraulic Conductivity	ASTM D4491	0.0 cm/s No Flow
Puncture Resistance	ASTM D4833	225 lbs (102 kg)
Low Temperature Flexibility	ASTM D2136	-60° F (-51° C)
Penetration Resistance Motor Oil	ASTM F903	Pass
Carbon Black Content	ASTM D4218	3.6%
Seam Strength	ASTM D751 (Shear)	CD 200 lbs/in (91 kg/in)
	ASTM D4851 (Peel)	CD 9 lbs/in (4.0 kg/in)



### Geosynthetic Accreditation Institute

GAI - LAP Approved Laboratory

MD = Machine Direction, CD = Cross Direction \*\*When tested with Vernier Calipers  
 All values are ± 10%. \*QUV A-340 lamps 8 hrs UV @ 60° C, 4 hrs condensation @ 40° C.  
 The test data is based on an average taken over several production runs and should not be considered  
 or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.

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