

STUDLINER

CPL with

Grip® Anchors

HIGH DENSITY
POLYETHYLENE

Is a concrete protection system manufactured from high-quality resins that include PE, PP, PVDF, and ECTFE. Sure-Grip meets and/or exceeds the highest requirements for a corrosion resistant and/or waterproof construction. Sure-Grip can be used wherever there is a need for high-performing concrete structures but is particularly beneficial as a protective layer against corrosive fluids or gasses. From wastewater tunnels to nuclear power plants and countless applications in between, Sure-Grip provides protection in the harshest environments.

PRODUCT DATA

Property	Test Method	Minimum Average Values				
		80 (2.0)	100 (2.5)	120 (3.0)	160 (4.0)	200 (5.0)
Thickness (nominal), mil (mm)	ASTM D5199	80 (2.0)	100 (2.5)	120 (3.0)	160 (4.0)	200 (5.0)
Density, g/cc, minimum (black)	ASTM D792, Method B	0.94	0.94	0.94	0.94	0.94
Density, g/cc, minimum (yellow/other)		0.935	0.935	0.935	0.935	0.935
Tensile Properties (ave. both directions)	ASTM D6693, Type IV					
Strength @ Yield (min. ave.), lb/in width (N/mm)	2 in/minute	176 (30.8)	220 (38.5)	264 (46)	352 (61)	440 (77)
Elongation @ Break (min. ave.), %(GL=2.0in)		300	300	300	300	300
Carbon Black Content (range in %)**	ASTM D4218	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
Carbon Black Dispersion (Category)**	ASTM D5596	Only near spherical agglomerates for 10 views: 9 views in Cat. 1 or 2, and 1 view in Cat. 3				
Pull Out Resistance psf (kN/m ²)	ISO 4624	16,500 (800)				
Back Pressure Resistance long term	SKZ-Test 700mm x 700mm	1000 hour at 1.5 bar (21.76 psi)				

G eomembranes are certified to pass Low Temp. Brittleness via ASTM D746 (-80 °C) and Dimensional Stability via ASTM D1204 (±2% @ 100°C).

Notes:

Rolls will only be supplied with slings upon request. All rolls are wound on a 6 inch core. All sheets will be shipped on pallets. Special widths and lengths are available on request. All roll lengths and widths have a tolerance of ±1%. Any weight values may change due to project specifications (i.e. absolute minimum thickness or special roll lengths) or shipping requirements (i.e. international containerized shipments).

** Only applies to black product.

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon tests and data believed to be reliable; however, it is the users' responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made as to the effects of such use or the results to be obtained, nor does assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein is to be construed as permission or as a recommendation to infringe any patent.