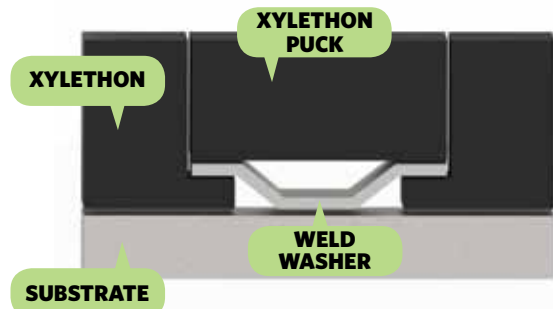
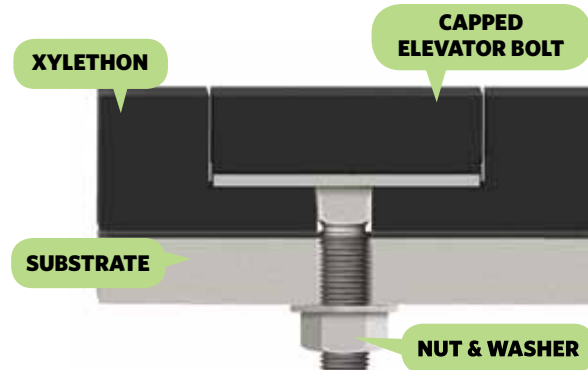
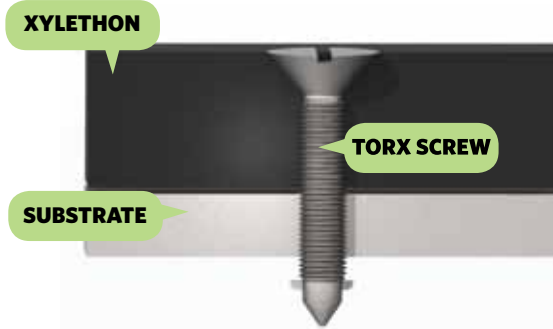


XYLETHON® INSTALLATION METHOD



HANDLING — Xylethon can be hand carried since a 4' x 10' x 1/4" thick plate weighs only 50 pounds compared to 408 pounds for steel plate of equal size. Most Xylethon applications do not require any special handling equipment such as cranes or extra labor.

FABRICATION — Sabre saw, circular saw or sharp crosscut saw can be used to cut Xylethon. Drilling holes and countersinking can be accomplished using normal hand or power tools.

INSTALLATION — Standard industrial fasteners can be used with Xylethon. For steel chutes, 3/16" to 5/16" diameter self tapping torx screws are generally used. For concrete bunkers, steel pins with washers placed under the heads can be readily shot with powder actuated guns to secure the Xylethon in place.

To mount Xylethon on worn wear plates, as in the case of chain wear guides and returns, a welding ring mount serves to reduce installation time as much as 75% and is highly effective and efficient. This technique can be used with plate thickness of 3/8" or greater. Call us for alternate attachment methods which can further reduce installation costs.

XYLETHON Plate

THICKNESS INCHES	SIZE
1/4"	4 Ft. x 10 Ft.
3/8"	
1/2"	
3/4"	
1"	
1-1/2"	
2"	
2-1/2"	
3"	
3-1/2"	
4"	

XYLETHON Round Stock

DIAMETER INCHES	MAX. LENGTH
1"	10 Ft.
1-1/2"	
2"	
2-1/2"	
3"	
3-1/2"	
4"	
5"	
6"	

Larger & Intermediate Sizes Available on Request

BEWARE OF SUBSTITUTIONS

Xylethon, through its superior performance and versatility, has become the most imitated plastimeric material. Generic plastic processing companies strive to make their products appear to look like Xylethon. **Beware of substitutions.** Unless your material bears the certification label seal "Xylethon" you will not get the unique performance and durability of Xylethon as produced and quality controlled by Durawear Corporation.

DCT
Dust Control Technologies, Inc.

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CeramTec
THE CERAMIC EXPERTS

WHAT IS XYLETHON®

Xylethon is a dramatically new concept in industrial plastimeric material. Xylethon has a smooth and non-stick surface which is highly abrasion resistant. The wearing surface of Xylethon has a tendency to polish rather than to become serrated as most other industrial plastics do.

The unique molecular structure of Xylethon makes it the most dense plastimeric material available to industry. Xylethon is totally resistant to moisture absorption and is not generally affected by corrosive fluids. Xylethon's matrix contains small amounts of silicon oil and molybdenum disulfide. Due to the alloyed content of Xylethon's composite matrix, it has a superior dimensional stability when compared to PVC, polyethylene, UHMW, and polyurethane. Xylethon is the most cost-effective solution to the problem of industrial abrasion and wear.

THE XYLETHON® ADVANTAGE

INCREASED PRODUCTIVITY: Xylethon's smooth and non-sticking surface eliminates material bridging and clogging in hoppers and chutes. This flow-inducing characteristic of Xylethon reduces material movement problems.

REDUCED MAINTENANCE: Xylethon outlasts the competition by 3 to 5 times, thereby reducing maintenance costs and lost production.

WIDE OPERATING TEMPERATURE

RANGE: Xylethon can withstand temperatures higher than UHMW and other plastics. Moisture cannot penetrate Xylethon, assuring materials do not freeze or stick to Xylethon's surface at low temperatures.

EXCEPTIONAL DIMENSIONAL STABILITY: The alloyed matrix of Xylethon makes it the most dimensionally stable plastimeric material, resulting in reduced stress failures and superior performance in many bearing applications.

SELF LUBRICATION: Xylethon's surface polishes with use, making it ideal for power transmission components such as gears, bushings and bearings.

LOWEST OPERATING COST: Xylethon's long life, superior abrasion resistance, low maintenance and reduced downtime make it the premier abrasion resistant liner in the industry.

On the basis of cost per ton of material transported, Xylethon is the lowest cost solution to material handling problems.

XYLETHON® MECHANICAL PROPERTIES

ABRASION TESTS

Sand Slurry Test 50/50 Water; 1750 RPM for 7 hours

MATERIAL	SPEC. GRAVITY	VOLUME LOSS
Xylethon	.97	5
Polyethylene	.94	18
Nylon	1.13	32
Polyurethane	1.10	46
Teflon	2.15	72
Teflon Fiberglass	2.55	77
Stainless Steel	8.00	84
Poly Carbonate	1.20	96
Carbon Steel	7.96	100

TABER ABRASION TEST

CS17 Wheels, 5000 cycles, 100g load

MATERIAL	DENSITY (g/cm ³)	VOL. LOSS (mm ³)	MASS LOSS (mg)
Xylethon	.968	.4	.4
UHMW-PE, 5M	.939	2.9	2.7
St. Steel-304	7.75	4.5	34.9
UHMW-PE, 3M	.934	9.3	8.7

Material Handling

- Coal hoppers and chutes
- Wood chip and bark silos
- Conveyor chains and skirts
- Hopper and silo linings
 - copper concentrates
 - pellets and pellet mix
 - iron ore
 - bauxite
- Grain elevators
- Mineral processing equipment

Environmental

- Sludge conveyors
- Scrubber linings
- Waste water treatment

Pulp & Paper

- Silos
- Drag chains
- Hopper chutes

Power Transmission

- Bushings and bearings
- Wear strips

PROPERTIES	UNITS	TYPICAL VALUES	TEST
Density	g/cm ³	.96	D792
Tensile Strength at yield @73°F	PSI	2,700	D638
Compressive Strength @ 72°F	PSI	13,300	LVF1297
Impact Strength	ft-lbs/in	NO BREAK	D256
IZOD Double Notch	ft-lbs/in	25	D256
Hardness	Shore D	70	D785
Elongation at Break	%	300	D638
Water Absorption	—	NIL	—
Coefficient of Linear Thermal Expansion	1/K	1.0 x 10 ⁻⁴	D696
Softening Point	°F	180	—
Max. Operating Temp. (application dependent)	°F	300	—
Coefficient of Friction	—	.08-12	—