

Xylethon®

General information



Xylethon®'s unique properties make it the ideal choice for liners and numerous machined parts such as slides, spacers, stops, bushings and gears.

No matter what the requirement, the result is a part with unequaled wear life.



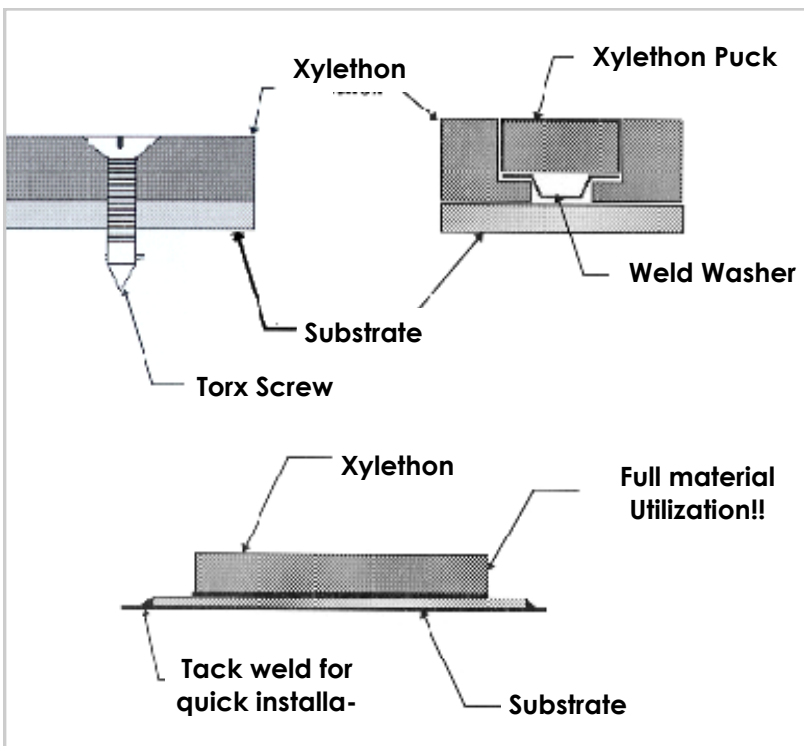
Handling Xylethon®

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

Tools such as a Saber 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 Method



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 to worn wear plates a welding ring mount serves to reduce installation time as much as 75% and is highly effective and efficient.

Xylethon®

Coal Applications



Many of the top engineering groups in the U.S. now specify Xylethon® as the liner material for coal chutes and hoppers. There is "no equal."

Even though this system was fabricated off site, it can be installed on site!

Notice the clean lines and tight fit. Xylethon®'s light weight and ease of forming, cutting and drilling allow for tight seems. The results are increased wear life, improved material flow, and lower operating costs.



Coal creates some costly and time consuming handling problems, especially during wet or cold periods when its tendency to bridge is greatest.

The concrete walls of this reclaiming hopper were so badly pitted that ¼" mild steel strips were installed. ➔



◀ Then the Xylethon® was put into place.

Since the installation, the customer has experienced no further bridging or clogging!

Xylethon®

Pulp & Paper Applications



Xylethon® is very popular in paper mills for chute, hopper and chain race linings. A Xylethon® liner outwears steel by three to four times, and reduces installation time by as much as one-third.



In this application, the 1/4" sidewalls were installed. Not only did it improve wear life, but also the reduction in noise level was tremendous. The chain race was lined with one inch Xylethon®. To date, the customer reports a thirty percent amperage reduction on drive motors.

A belt return idler will seize if not periodically lubricated, which is a frequent problem for many companies. At a large pulp and paper plant, bark residue would build up along the shaft and even a good lubrication schedule could not solve the problem.

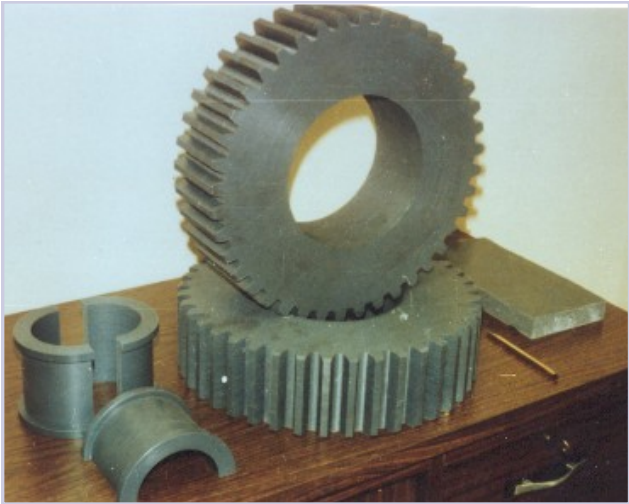


Xylethon® 3" solid round was installed. The low coefficient of friction (.08 in service) and Xylethon®'s ability to work harden solved the problem. Now, there is even less drag on the belt drive motor.



Xylethon®

Pulp & Paper Applications



Xylethon® gears and bushings have been a popular item for numerous industries as a replacement for nylon. After a period of time, particularly in high moisture areas, nylon begins to fatigue and crack at the tooth root, resulting in premature failure. Xylethon® has proven in laboratory testing and in-field conditions, to last

longer than nylon. Since it absorbs no moisture and work hardens in use, the risk of premature failure is greatly reduced.



A box manufacturer had such success with Xylethon that they started using it as a total replacement for belt rollers in this conveyor.

By using flat bars of Xylethon, both top and bottom, they have eliminated the need for frequent inspection of the rollers as well as costly downtime for premature repairs.

