

CHROMIUM CARBIDE WEAR LINERS



Chromium Carbide Overlay is a material made from half carbon steel and half chromium alloy. This incredibly durable material has been used for years in power plants, cement mills, and the mining industry and now is available as a liner option for your central mix blades.

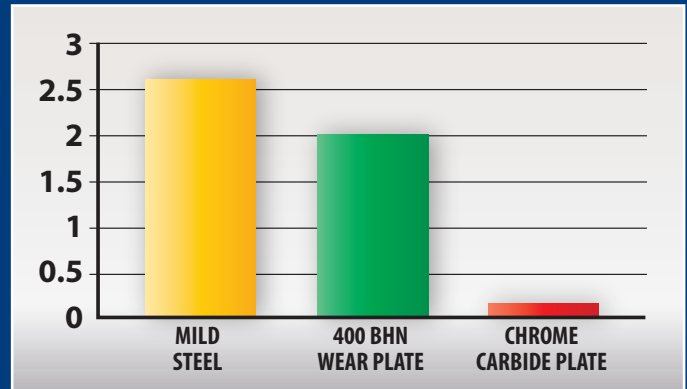
Blade Material - 1/2" AR 235

Liner - 3/4" thick chromium carbide overlay
(3/8" chromium over 3/8" carbon steel)

COMPARATIVE WEAR ANALYSIS TEST AND CASE STUDIES

The **ASME G-65 Wear Test** is widely used form of testing to compare different materials abrasion resistant qualities. As you can see chromium carbide shows 10 times less wear than 400 Brinell wear plate (AR400).

Although lab testing is an invaluable tool in studying the wear resistant qualities of different materials, there is no substitute for information gathered during actual field testing.



Rex Hurricane Style mixing blades that have been in service for 720,000 yards.

Option 1: Full Chrome

If your goal is to have the **blades last as long as the drum liners** in your central mix drum, then you should consider the "Full Chrome" blade liner option.



With this option 100 % of blade face is lined with 3/4" thick (.375" over .375") chromium carbide overlay

The support pedestals will have 1/2" (.25" on .25") thick chromium carbide liner on both sides of the entire pedestal. Mounting pads will be made from 3/4" AR400 and will have 1/2" chromium welded around the perimeter of entire base plate.

Option 2: Durex with Chromium Edge Liners

This economical option lines the highest wear points of the blade with the most wear resistant product - Chromium Carbide



Option includes 3/4" thick (.375" over .375") chromium carbide overlay wearing edge in place of the wrap-around urethane liner. The interior face of the blade will be covered with a 1" thick urethane liner by Durex.



Since 1953, Shumaker Industries has strived to find more economical ways to maintain your central mix equipment.

Next time you need to replace the liners and/or blades in one of the following style mixers please give us a call !

- Erie Strayer
- Johnson
- Inventure
- MTM
- REX
- Con-E-Co
- Ross
- Vince Hagan