

IMPACT AND ABRASION PROTECTION

WITH REDCO™ URETHANE AND TIVAR® LINERS FROM REDWOOD PLASTICS

SUGGESTED MATERIALS FOR GENERAL IMPACT ANGLES

There are three kinds of abrasion: sliding, impingement, and impact. UHMW/PE products usually are designed to 'work' in sliding applications, polyurethane in the other two.

Caution: This chart depicts generalities and does not take into consideration the specific gravity of the material being handled, the shape of the particle whether it be sharp, angular or round, and the velocity or distance of fall.

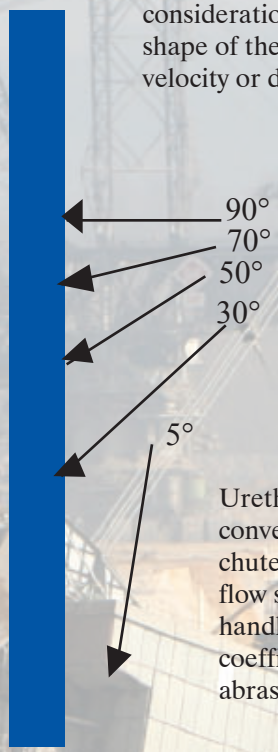
90° - Urethane liners are strong options.

70° - Urethane liners work best at this angle.

50° - Impact is severe at this angle, although Urethane is an option, call Redwood Plastics for assistance with the grade selection.

30° - Gouging becomes a serious problem at this angle, although Urethane is an option. Contact Redwood Plastics for assistance with the grade selection.

5° - Urethane liners are generally used in this situation, although Tivar® 88 liners can be used for soft particles and slow velocity.

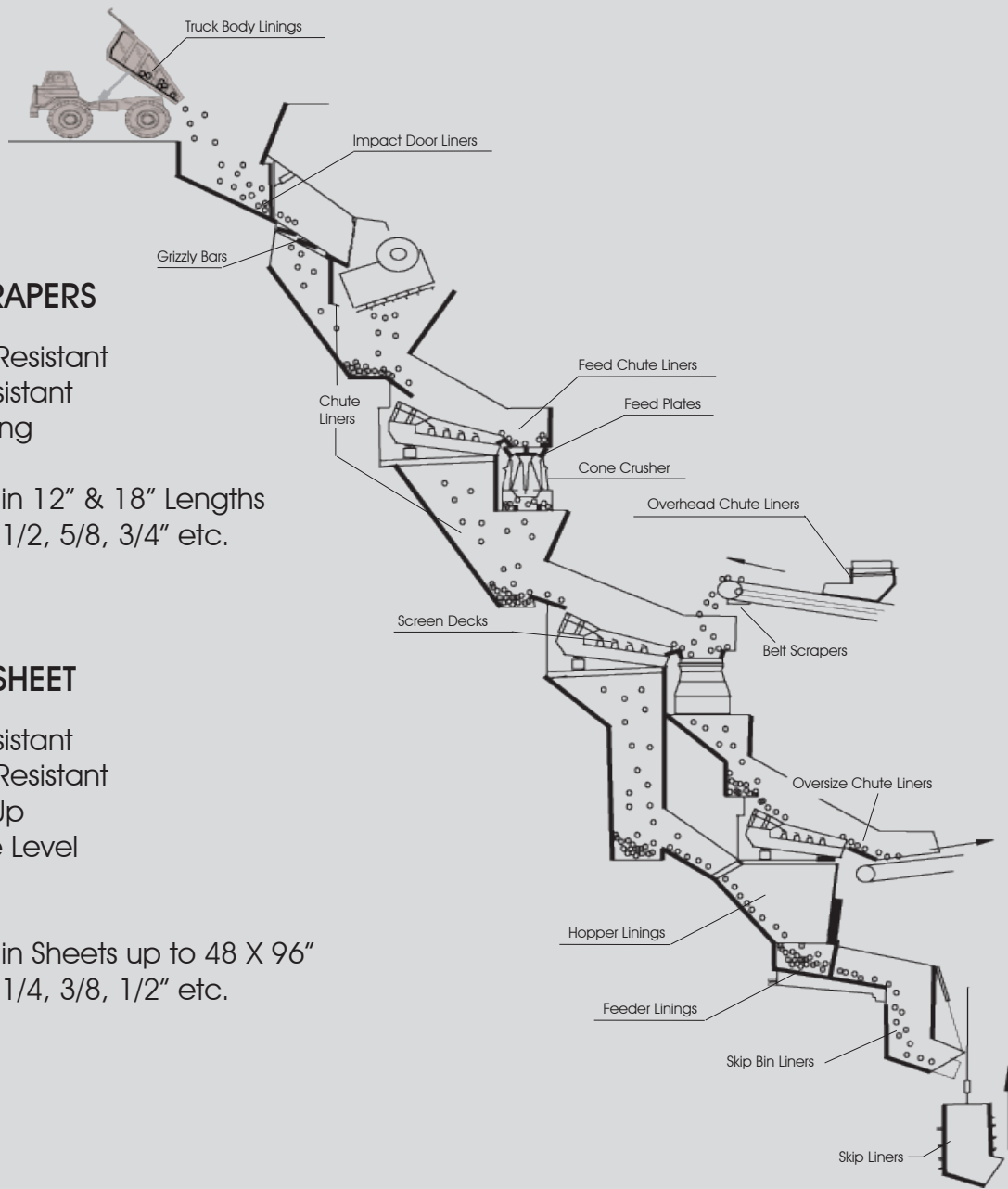


Urethane and Tivar® conveyor liners for hoppers, bins, chutes, etc., are designed to provide flow solutions for the bulk material handling industry. They feature low coefficient of friction, excellent sliding abrasion and corrosion resistance.

* TIVAR liners are usually used in sliding or flow applications where impact and impingement are not a concern. Typical grades of polyurethane used are: Redco 6060 - High Impact/Large Particles/High Volume. Redco 430 - High Volume/Smaller Particles. Redco 80A - Small Particles



www.redwoodplastics.com



CHUTE

HOPPER

PAN

LINERS

SHEET

ROCK

ORE

SLAB

BELT SCRAPERS

Abrasion Resistant
Shock Resistant
Non-Sticking

Available in 12" & 18" Lengths
Thickness 1/2, 5/8, 3/4" etc.

LINERS, SHEET

Shock Resistant
Abrasion Resistant
No Build-Up
Low Noise Level
Long Life

Available in Sheets up to 48 X 96"
Thickness 1/4, 3/8, 1/2" etc.

MAX. PARTICLES SIZE	MIN. RECOMMENDED THICKNESS FOR A GIVEN FREE FALL								
	0-2'	3'	4'	5'	6'	8'	10'	12'	15'
1/8" - 1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	1/2"	1"	1 1/4"	1 1/2"
3/8" - 1/2"	1/4"	3/8"	1/2"	1/2"	3/4"	3/4"	1 1/4"	1 1/2"	1 3/4"
3/4" - 1"	1/2"	1/2"	3/4"	3/4"	1"	1 1/2"	1 3/4"	2"	2"
2"	1/2"	3/4"	3/4"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"
4"	3/4"	1"	1 1/2"	1 3/4"	2"	2 1/2"	2 3/4"	3"	3 1/2"
6"	1"	1 1/2"	1 3/4"	2"	2 1/2"	2 1/2"	3"	3 1/4"	4"
8"	2"	2"	2 1/2"	3"	3 1/2"	4"	4"	5"	6"
10"	2"	2 1/2"	3"	3 1/2"	4"	4"	4 1/2"	6"	8"
12"	3"	3"	3 1/2"	4"	4 1/2"	4 1/2"	6"	8"	10"



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