

REDCO™ POLYETHYLENE UHMW

INCREASE PRODUCTION PROLONG EQUIPMENT LIFE

Reduce Power Consumption · Reduce Noise · Protect Costly Equipment

Our most diversified product with extensive properties
designed to enhance your production and
save you maintenance costs.

Sheet, Rod & Extrusions
Custom Fabrication



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CDN 1 800 667 0999 US 1 866 733 2684
www.redwoodplastics.com

SINCE 1971



Standard Grades

REDCO™ VIRGIN UHMW

Redco™ UHMW polyethylene offers a combination of high impact strength, excellent machinability and low surface friction with outstanding wear and corrosion resistance.

FDA, CFIA & USDA approved, Redco™ UHMW reduces material hang ups and enhances material flow; increasing your production and your profits.

STANDARD COLOR: Natural (white) & Black

STANDARD SHEET SIZE: 48" X 120"

STANDARD ROD LENGTH: 120"

STANDARD SHEET THICKNESSES: 1/8 to 3"

STANDARD ROD DIAMETER: 1/2" to 8"

Fusion welded Redco™ UHMW sheets are also available to eliminate lifting; up to 144" x 1200".

TYPICAL APPLICATIONS:

Wear strip, channel, diverter arms, bearing blocks, scraper blades, wear rails, star wheels, chute liners, hopper liners, bunk pads, slider blocks, low pressure gears, light duty pulleys, dock fenders/pads, metal detector troughs, trimmer lugs, sprockets, conveyor flytes, wear shoes/guides, forklift hose sheaves, skate wheels, rollers, hold down wheels, slides, cutting boards, outrigger pads, etc.

REDCO™ REPROCESSED UHMW

Redco™ Reprocessed UHMW is a blend of Virgin and Reprocessed polyethylene resulting in a cost effective alternative to Virgin UHMW. Redco™ Reprocessed UHMW is recommended for less demanding applications.

STANDARD COLORS: Black, Green & Yellow

STANDARD SIZE: 48" X 120"

STANDARD THICKNESSES: 1/4" to 3"

TYPICAL APPLICATIONS:

Wear strip, channel, hold down wheels, slides, bearing blocks, wear rails, chute liners, hopper liners, wear shoes/ guides, low pressure gears, flytes, light duty pulleys, dock fenders/pads, skate wheels, rollers, slider blocks, outrigger pads, etc.

REDCO™ X-STATIC

Redco™ X-Static eliminates static electricity hazards common in bulk material applications. Redco™ X-Static is a special combination of virgin UHMW compounded with Carbon Black to provide anti-static properties while retaining corrosion and wear resistance, low surface frictions and high impact strength.

STANDARD COLOR: Black

STANDARD SHEET SIZE: 48" X 120"

STANDARD SHEET THICKNESSES: 1/8 to 2"

TYPICAL APPLICATIONS:

Bulk material liners, wear strip, chute, bin, hopper, and silo liners, etc.



INNOVATIVE SOLUTIONS IN PLASTIC

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High Impact Resistance... Simple Installation..... Water & Chemical Resistant...



Specialty Grades



REDCO™ TITANIUM



Redco™ Titanium is specially formulated to be the slickest, strongest and toughest with superior abrasion resistance and the lowest thermal expansion. Developed for the most demanding applications involving impact and sliding, Redco™ Titanium will withstand the most severe environments.

STANDARD COLOR: Dark Blue/Grey
STANDARD SHEET SIZE: 48" X 120"

STANDARD SHEET THICKNESSES: 1/8" to 2"

TYPICAL APPLICATIONS:

Bin liners, hopper liners, flume liners, belt scrapers, skirt boards, chutes, conveyors, silos, cyclones, spoon liners, bunkers, wear strips, feeder liners, etc.



REDCO™ SYNSTEEL



Redco™ Synsteel is a "pulp safe" UHMW engineered to remedy concerns with plastic contamination. Synsteel has a specific gravity >2, is attracted to magnets, has a melting point > 180°C and will trigger metal detectors. Synsteel also carries the benefit of twice the compression strength of virgin UHMW, reduced thermal expansion, improved abrasion resistance and UV stabilization.

STANDARD COLOR: Dark Grey
STANDARD SHEET SIZE: 48" X 120"

STANDARD SHEET THICKNESSES: 3/8 to 2"

TYPICAL APPLICATIONS:

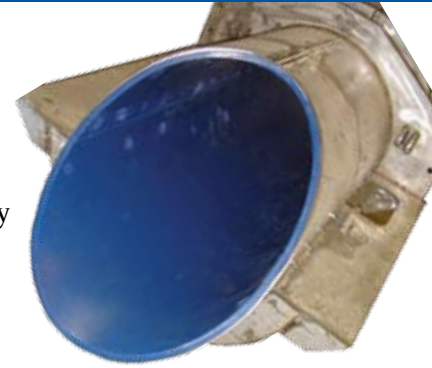
Debarker outfeed, wearstrip, hog fuel handling, chip handling, sharp chain wearstrip, conveyor systems, cyclone liners, bin liners, flat backs on blow systems, resaw line bars, chip screens, conveyor flytes, mast guides in forklifts, shaft support bearings, chipper infeed spouts, chute liners, oregon bends, transition sections, line bars, etc.

Custom Colors & Sizes Available Custom Fabrication Available

CUSTOM DESIGN AND TOOLING · CNC MACHINING · PLASTIC FABRICATION · WELDING · CUSTOM MOLDING

TIVAR®

REDCO™ TIVAR®



The Redco™ Tivar®* product line has a variety of custom formulations to suit many applications to reduce noise, prevent hang ups, bridging and ratholing, eliminate static and decrease wear on equipment. Specialty formulations include:

Redco™ Tivar® 88

A premium lining material for bulk material handling, Redco™ Tivar® 88 promotes flow of cohesive or non-free flowing materials due to its low surface friction. Redco™ Tivar® 88 liners are the perfect solution to reduce or eliminate arching, ratholing and erratic material flow challenges.

Redco™ Tivar® 88 BurnGuard™*

Redco™ Tivar® 88 with BurnGuard™ has flame retardant properties. When the source of the combustion is removed, TIVAR® 88 with BurnGuard™ self extinguishes and experiences no further impact. Redco™ Tivar® 88 with BurnGuard™ meets MSHA 1C-112/1 for underground mining and has a UL94 V-0 flammability rating.

Redco™ Tivar® Dryslide

Ideal for dusty environments, Redco™ Tivar® Dryslide is electro static dissipative which eliminates shock due to friction. Redco™ Tivar® Dryslide is also corrosion-resistant, self-lubricating (dry lubricant formulation) with no moisture absorption.

Redco™ Tivar® H.O.T.

Formulated to maintain key performance properties in a variety of industrial manufacturing environments where temperatures range up to 275°F. In many applications, Redco™ Tivar® H.O.T will last up to 10 times longer in higher temperature environments and has excellent wear and release characteristics.

Redco™ Tivar® Ceram P®

The ultimate material for high load, high speed and severe sliding abrasion applications. Composed of virgin polymer and premium additives, Redco™ Tivar® Ceram P® is a shatter-resistant alternative to ceramics, reducing wear and machine maintenance downtime.

STANDARD COLORS: Blue, White & Black

STANDARD SHEET SIZE: 48" X 120"

STANDARD SHEET THICKNESSES: 1/8 to 2"

Fusion welded Redco™ UHMW sheets are also available to eliminate lifting; up to 144" x 1200".

TYPICAL APPLICATIONS:

Belt skirting, chute liners, conveying components, bearings, belt guides, chain guides, curves, guide rails, wearstrip, dead plates, diverter bars, guide rollers, hitch plates, hopper liners, liners for gravity flow applications, roller covers, transfer plates, under belt wearstrips, belt scrapers, bunker liners, chain conveyor flytes, chute liners, conveyor skirting, cyclones, drag chain conveyor liners, dragline buckets, dust collection hopper liners, front end loader bucket liners, hopper liners, off-road truck beds, truck bed lining for asphalt hauling, pugmill paddles, railcar liners, reclaim buckets, screw conveyor liners, self-unloading ships, silo liners, slider beds, storage bin liners surge bin liners, transfer chute liners, under chain guides, vibrating bin, dischargers, vibratory feeder liners, etc.

*Tivar & BurnGuard are registered trademarks of The Quadrant Group of Companies

Specialty Grades



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PLASTICS**
CORPORATION

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PLASTIC SOLUTIONS



Airline Baggage Table



Automatic Cheese Slicer



Beverage Starwheel and Rails



Copper Straightening Rollers



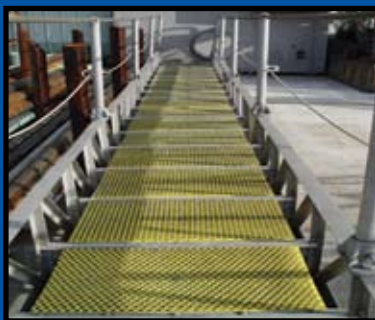
Dock Fenders



Dragline Bucket Liner



Marine Boat Table



Non-Slip Walkways



Sawmill Chain Wearstrip



Sawmill Chip Screen



Forklift Hose Pulley

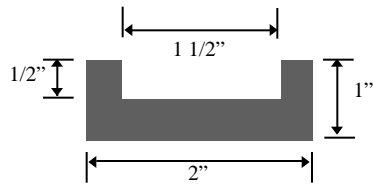


Vegetable Chute Liner

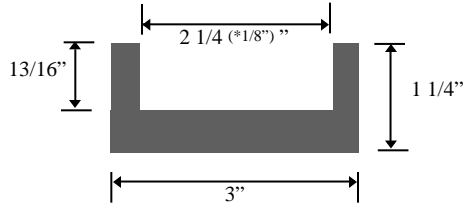
Standard Channel Profiles

Prolong Chain Life... Reduce Noise... Reduce Power Consumption...

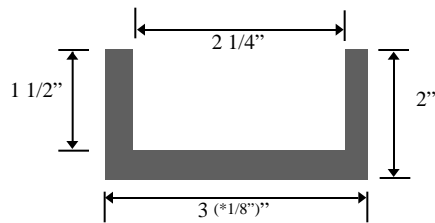
UHMW CHANNEL



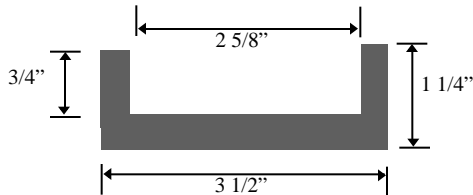
Redco™ C2060 Channel
Part#: R-13858



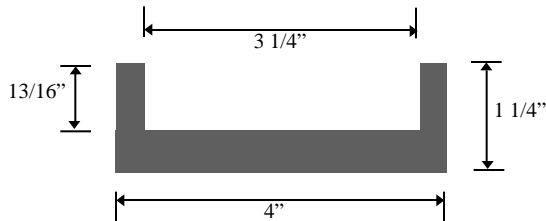
Redco™ 81X Channel
Part#: R-5007
* alternative



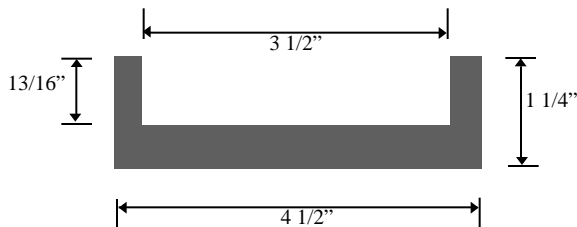
Redco™ 81X High-Side Channel
Part#: R-9087
*alternative



Redco™ HD-81X Channel
Part#: R-10576



Redco™ H78 Channel
Part#: R-10148



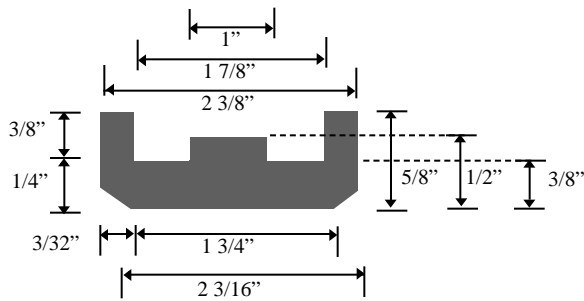
Redco™ H82 Channel
H82, WR78HD, WR82
Part#: R-4540

Stocked Length of Channel is 10'

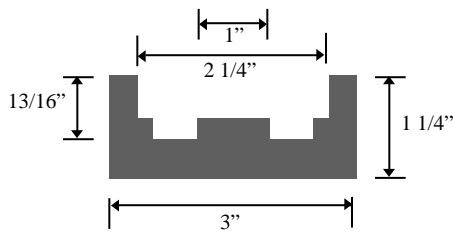
Custom Channel Profiles

Easy to Install... Lightweight... Custom Sizes Available...

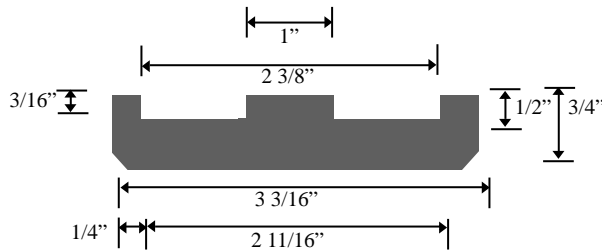
UHMW CHANNEL



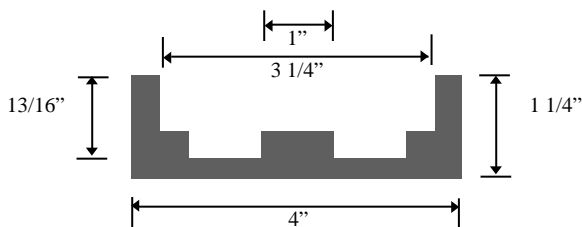
Redco™ 81X 3"
Steel Channel Insert
(For 3 x 4.1lb Steel Channel)



Redco™ 81X E Trak Channel



Redco™ 81XHH 4" Steel
Channel Insert



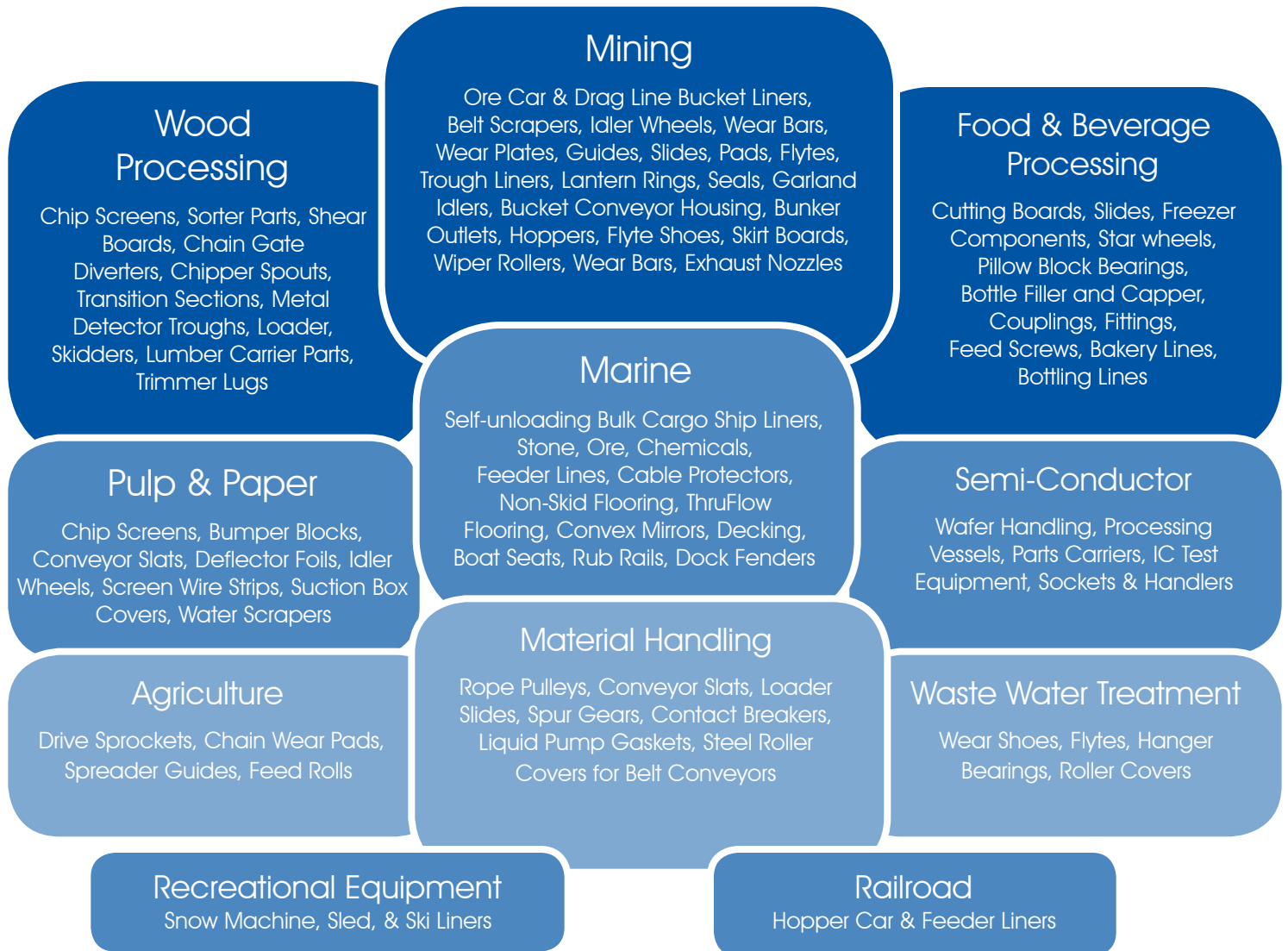
Redco™ 81XHH/C188 Channel

All Custom Profiles Available on Request
Other Custom Profiles Available

Wood Processing · Agriculture · Material Handling · Pulp and Paper · Food Processing · Semi-Conductor · Railroad
Mining · Waste Water Treatment · Oil Drilling & Exploration · Aerospace & Flight · Recreational Equipment

APPLICATIONS

Hopper, Chute, Conveyor, Silo, Bin and Truck Liners, Chain Covers & Guides, Wear Strip, Wear plates, Belt and Cable Protectors, Rollers, Wheels, Lugs, Sprockets, Slides, Bearings, Scrapers, Sorter Parts, Diverters, Fabricated Parts, etc..



Medical • Automotive • Manufacturing • Textiles • Chemical • Oil Drilling & Exploration • Aerospace and Flight

CUSTOM DESIGN & FABRICATION

(Please Refer to Our Website or Catalogue for Physical Properties, and Specifications)

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We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this or the safety and suitability of our products, whether alone or in combination with other products. Users are advised to make their own test to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products. For most recent technical information, phone 360 225 1491 in USA or 604 607 6000 in Canada.