REDCO™ UHMW WEAR PLATE MATERIAL

FASTENING:
Although available with a fibre-backed coating, to accept epoxy cement, the slick, virtually inert surface of Redco™ UHMW makes bond fastening impractical in the majority of industrial applications. Therefore, it is important to select the proper mechanical fasteners for individual applications.

PLUG WELDING:
Where it is not practical or possible to drill through existing support, the plug weld system of fastening is provided. A shaped metal plug is dropped into a pre-drilled hole and spot welded in place. A precut Redco™ UHMW plug is supplied to be driven flush with the strip surface. This system provides the largest hold down area of any fastening technique, while also allowing for expansion-contraction factors inherent to UHMW materials.

NUT & BOLT - ELEVATOR PARTS:
For applications requiring a 1/4” thick Redco™ UHMW elevator bolts have been used extensively with satisfactory results. The large flat head of each bolt should be counter-sunk “slightly” into the surface of the Redco™ UHMW.

REDCO TEX SCREW SYSTEM:
Redco™ tex screws are a hex head self-drilling, self-tapping fastener. Tex screws are supplied complete with a bonded galvanized-neoprene washer, which is inserted between the Tex screw and the Redco™ UHMW to compensate for the difference in expansion and contraction factors between the substrate and the Redco™ UHMW wear plate. Redco™ wear strip, that is to be fastened using the Tex screw method, is drilled and counterbored in our shop and is recommended in most applications for Redco™ UHMW plate 3/8” thick and over. Redco™ UHMW can be centre-drilled for channel and stagger drilled for “I” bean applications.

POWER ACTUATED FASTENERS:
A fast and versatile system of fastening Redco™ UHMW is the “HILTI” or “RAMSET” Pin Fire Method. With some experimentation, the correct charge and fastener length can be determined for both concrete and steel substrates. A 1/4” to 1/2” long stud, with a R23 washer, using a Red charge, is the normal suggested recommendation. Pre-drilling is not required with this type of fastener.
STANDARD UHMW STRIP FASTENING RECOMMENDATIONS

#1) Under 4" wide: 12" apart straight down center of strips

#2) 4" to 10" wide: staggered on 12" centers

#3) 11" to 18" wide: 12" apart down each edge

#4) Over 18" wide: 12" apart down each edge with intermediates every 24" down center of strip