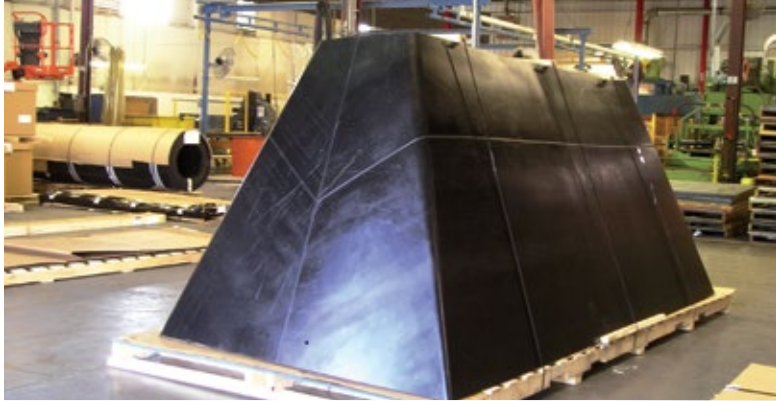


TIVAR® 88 & 88-2 LININGS

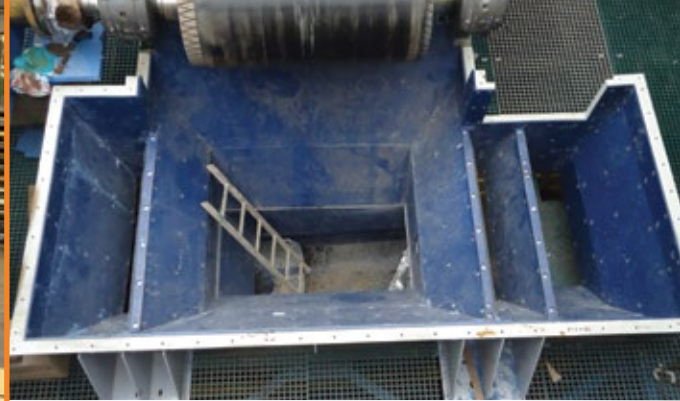
**SIMPLY NO
SUBSTITUTE**

For the Cement Industry

Sticky bulk materials such as: coal, bauxite, synthetic gypsum, sand, iron, fly ash, clay, overburden and other such cohesive materials require a slippery surface to permit bulk materials to move from point A to point B. TIVAR® 88 and TIVAR® 88-2 have a low C.O.F. that permits materials to move freely and discharge without hang-up.



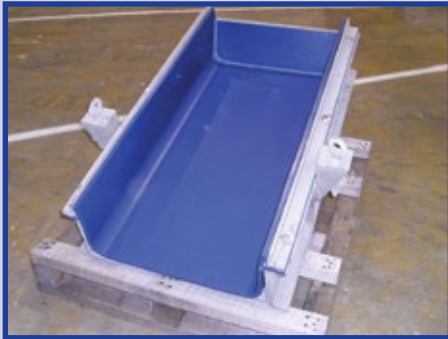
A fabricated TIVAR® 88-2 ESD drop-in liner for synthetic gypsum hopper



TIVAR®88-2 lined receiving hopper provides reliable bulk material flow

ELIMINATES ARCHING, RATHOLING & VARIOUS FLOW PROBLEMS

CASE STUDY: TIVAR® 88-2 Vibratory Pan Feeder Liner



Four outlet receiving hopper lined with TIVAR® 88-2

Problem: Original feeder was plugging causing efficiency issues during production, prompting an immediate need for Tivar® 88-2 liner

Solution: Replace AR liner with ½" TIVAR® 88-2 liner for added wear resistances and rapid release technology

Benefits: TIVAR® 88-2 liner was produced as one piece panel to eliminate seams, to increase flow, and to provide more consistent feed

Key Benefits

- Promotes reliable bulk material flow
- Wear, chemical and corrosion-resistant
- Low coefficient of friction (C.O.F)
- No moisture absorption
- Reduces and/or eliminates plugging & arching
- Can be welded and formed to meet exact dimensions
- UV resistant prevents premature degradation of material

Applications

- Receiving Hoppers
- Surge Bins
- Dust Collection Hoppers
- Storage Bins
- Vibratory Feeders
- Dribble Chutes
- Chutes

Bulk Materials

- Clay
- Synthetic Gypsum
- Bauxite
- Coal
- Gypsum (Nat)
- Sand
- Iron
- Fly Ash
- Lime



QUADRANT

Acetron®
GP

Duratron®
PAI, PEI, PI, PBI

Etalyle®
PET-P

Fluorosint®
PTFE

Ketron®
PEEK

Nylatron®
PA6

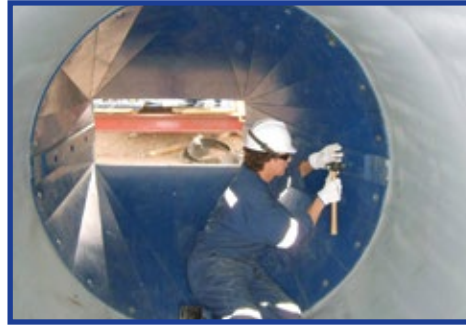
Sanatite®
HDPE/PP

Semtron®
ESD

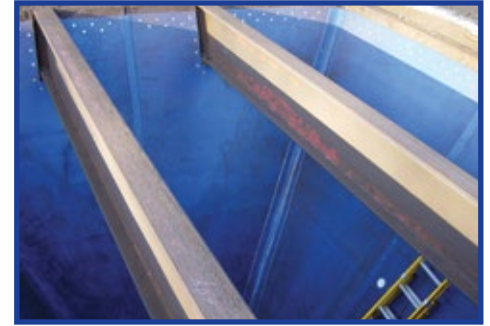
Techtron®
PPS

TIVAR®
UHMW-PE

TIVAR® 88 & 88-2 LINERS



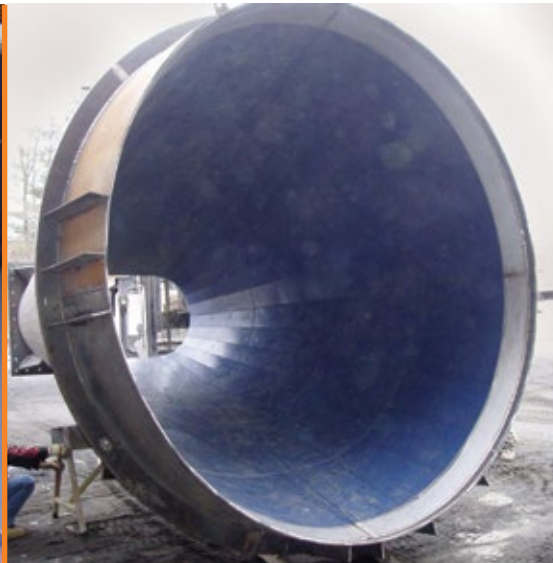
TIVAR® 88 and TIVAR® 88-2 liners can be designed to fit into a variety of structures with various geometries



TIVAR® 88-2 in ground coal hopper liner

QUADRANT EPP OFFERS DESIGN, FABRICATION & INSTALLATION

Quadrant's STE (SystemTIVAR® Engineering) team is made up of specialty engineers with different degrees of experience that is second to none. Collectively, they have over 100 years of expertise in the design, fabrication and installation of various TIVAR® products into structures like hoppers, bins, chutes, standpipes, ash-conditioners, rail cars, ships and other such structures that move or store bulk materials.



TIVAR® 88-2 lined synthetic gypsum hoppers



SYSTEM TIVAR® ENGINEERING & TIVAR® 88-2 LINERS



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