

TMAR® 88 & 88-2 LININGS

MITSUBISHI CHEMICAL ADVANCED MATERIALS



Your Source for Engineering Plastics

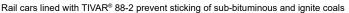
TIVAR® 88 & 88-2 Linings

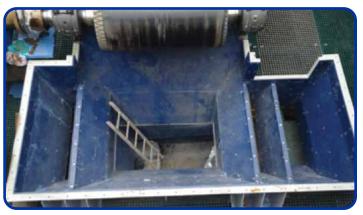




Sticky bulk materials such as: coal, bauxite, copper concentrates, potash, clay, overburden and other such cohesive materials require a slippery surface to permit bulk materials to move from point A to point B. TIVAR[®] 88 and TIVAR[®] 88-2 have a low coefficient of friction that permits materials to move freely and discharge without hang-up.







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

TIVAR® 88-2: Silicone additives provide smooth surfaces for bulk materials to slide

Case Study: TIVAR® 88-2 Receiving Hopper Liner



Problem: Original hopper liner was wearing, causing efficiency issues during production, prompting an immediate need for replacement.
Solution: Replace with 3/4" TIVAR® 88-2 for added wear resistance and rapid release technology.
Benefits: TIVAR® 88-2 liner was produced with oversize welded panels to eliminate seams and increase flow and production speeds.

Four outlet phosphate receiving hopper lined with TIVAR® 88-2

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

Applications

- Hoppers
- Bins
- Rail Cars
- Slider Beds
- Dribble ChutesLaunder Boxes
- Launder Boxes
- Heavy Mining Equipment

alroplastics.com

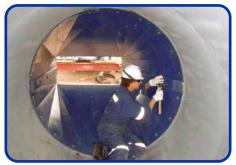
TIVAR® 88 & 88-2 Linings

For Mining & Mineral Processing





Some conical hoppers can even be lined with a one piece TIVAR® 88-2 "drop in" liner for a fast, clean installation



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



TIVAR® 88-2 tube liner inserted into a steel down comer or standpipe: eliminates sticking & bridging issues

Mitsubishi Chemical offers Design, Fabrication & Installation

Mitsubishi Chemical Advanced Material's STE (SystemTIVAR[®] Engineering) 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.



System TIVAR[®] Engineering & TIVAR[®] 88-2 Liners

alroplastics.com

Airo Plastics Sheet • Rod • Tube • Film • Profiles • Machined Parts

PRODUCTS

SINCE 1987

All tradenames listed below are the property of their respective owners.

ABS Acetal Copolymer Acetron[®] GP Acrylic **Boltaron**® Cast Nylon Chemgrate[®] Clear PVC Composolite[®] Corrugated CPVC Cutting Board **Delrin**® **Densetec**® Detectables DuraDek[®] **DuraGrate®** DuraGrid[®] **DuraTread® Duratron**® Ertalyte[®] Extren® Extrusions **Fiberglass Grating** Films

Foamlite® Fluorosint[®] G10 / FR-4 GPO-3 HDPE Hydex[®] 202/301 Hydex® 4101/4101L Hydlar® Industrial Laminates Ketron[®] PEEK King ColorCore® King Hy-Pact® King StarBoard® **KomaALU®** KomaTEX[®] Kynar[®] PVDF LDPE Life Science Grades LubX[®] C / CV MC[®] 901/MC[®] 907 Medical Grades Micarta[®] Noryl[®] PPO Nvla-Glide GR™ **Nylatron**®

Nyloil® Nylon **Optix**[®] Palight[®] Palsun® PBT PEEK PET PETG Phenolic Plexiglas[®] Polycarbonate Polyethylene Polypropylene Polystone® Polystyrene Polysulfone PPS **Precision Board Plus** Profiles **Propylux**[®] Proteus[®] LF PP PTFE / TFE **PVC PVC Foam Sheet**

PVDF Radel[®] Reprocessed UHMW Rubber SafPlate[®] SafRail[™] Sanalite[®] Semitron[®] Sustarin[®] C Tecaform[®] Tecasint[™] Techtron[®] PPS TIVAR[®] 1000 TIVAR[®] 88 Tooling Board Torlon[®] PAI Tuffak[®] UHMW-PE Ultem[®] Urethane VHMW-PE Vivak[®] Zelux[®]

PROCESSING







Band Saw Cutting Rounds up to 18" dia.



Waterjet Sheets up to 10" thick



Routing Sheets up to 4" thick



Pieces up to 6" thick



Welding Hot Gas & Extrusion

LOCATIONS

JACKSON

2218 Enterprise Jackson, MI 49204 Ph: (517) 787-5500

DETROIT

1750 E. Heights Drive Madison Heights, MI 48071 Ph: (800) 877-2576

CHICAGO

279 Madsen Drive Suite #102 Bloomingdale, IL 60108 Ph: (888) 877-2576

GRAND RAPIDS 4670 60th S.E. Grand Bapids ML 4

Grand Rapids, MI 49512 Ph: (616) 656-2820

CLEARWATER

12171 62nd Street Suite #150 Largo, FL 33773 Ph: (727) 573-1480

EVANSVILLE

1414 Baker Avenue Evansville, IN 47710 Ph: (812) 424-5554

LOUISVILLE

5500 Shepherdsville Rd Suite #300 Louisville, KY 40228 Ph: (502) 968-9980

alro.com

DEC 2021