Competitive Advantage
For a smooth, durable finish that promotes flow just like the TIVAR® 88 liner you’re installing, use one of SystemTIVAR® Engineering’s tried and true fastener systems. TIVAR® capped elevator bolts, weld washers, stud weld and concrete expansion anchors, are all designed to:

- Ensure the fastener surface is flush with the liner
- Prevent leaks
- Resist corrosion and material abrasion
- Allow for liner expansion and contraction
- Eliminate vibration
- Eliminate bridging caused by material hang-up on regular fasteners

TIVAR® 88 Fastening Systems

Weld Washer System
- Eliminates drilling of substrates
- Minimizes need for multi-person installation
- Provides smooth transition of material and minimizes material turbulence and material hang-up when TIVAR® plug is utilized
- Plugs available for 3/8” to 1” liner thickness

TIVAR® Capped Elevator Bolt System
- Eliminates bolt head wear
- Eliminates corrosion
- Eliminates material turbulence and hang-up
- Provides smooth surface

*The use of TIVAR plugs in 3/8” liners may not be recommended for all applications. Please consult Quadrant for application information.
**TIVAR® 88 Fastening Systems**

**Stud Weld System**
- Eliminates drilling of substrate
- Eliminates need for multi-person installation
- One-side fastening
- Minimizes material turbulence and material hang-up when TIVAR® 88 plug is utilized

**Concrete Expansion System**
- Excellent grip strength
- Eliminates need for multi-person installation
- Minimizes material turbulence and material hang-up when TIVAR® 88 plug is utilized

**Leading Edge Protectors**
SystemTIVAR® Engineering’s leading edge protectors are the final touch for any lining installation. Manufactured from either mild steel or stainless steel, these edge protectors are installed over all TIVAR® 88 liner leading edges to prevent the migration of material between the liner and substrate, which could cause the liner to pull away from the substrate.

All statements, technical information and recommendations contained in this publication are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that Quadrant Engineering Plastic Products does not guarantee the accuracy or completeness of this information and it is the customer’s responsibility to determine the suitability of Quadrant’s products in any given application.

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