

TUFFLEX®

Unique, Fast-Curing, Protective and Decorative Resilient
Waterproofing Systems



ARGOSY I - Built on site in Alton, IL • ARGOSY II - Atlantic Marine, FL • ARGOSY III - Alabama Shipyard Mobile, AL

End Deck Surface Problems!

**ELIMINATE THE EXPENSIVE AND TIME-CONSUMING
3R'S OF SHIP DECKING: REMOVAL, RE-PREPARATION & RE-PAINTING!**

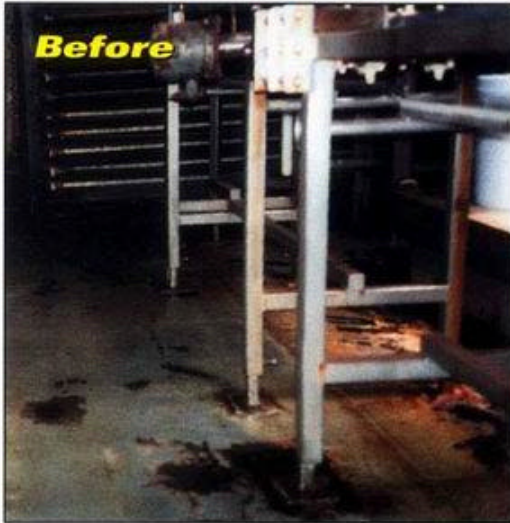
PREP AND WATERPROOF ONLY ONE TIME WITH TUFFLEX!

INTERIOR & EXTERIOR

- ✓ Eliminate repeated and expensive down time.
- ✓ Reasonable first cost and very low life cycle cost.
- ✓ Totally flexible and seamless Solvent-Free membranes.
- ✓ Ability to slope decks and fill in rough surfaces.
- ✓ Provides unlimited longevity when reasonably maintained.
- ✓ A variety of unique materials allows customized systems for specific job needs.

DECK SURFACING

*The inside deck areas of floating factory fish processing boats are being held to a higher sanitary standard by the new **FDA** and **HACCP** guidelines. Keeping the inspectors satisfied is always good business!*



*The newly installed **TUFFLEX** deck forms a seamless, flexible and sanitary membrane that seals out bacteria. A **TUFFLEX MONO-MAT SEAMLESS SYSTEM** can be applied extra thick to form fatigue-relieving monolithic mats for worker comfort. (This seamless cushion system is also used in sanitary sensitive veterinary areas ranging from elephant cages to alligator pits!)*

*The **TUFFLEX** rubber membrane will also assist in noise reduction, both interior and exterior.*

TUFFLEX OFFERS THE MARINE INDUSTRY DECK SURFACE SOLUTIONS THAT CANNOT BE MATCHED OR OUT-PERFORMED.

TUFFLEX systems were originally developed in the mid 1980's to meet the demands of the ski resort industry. The harsh freeze/thaw climatic conditions, coupled with the wear & tear of heavy ski boot traffic, had caused the previous types of waterproofing and deck coatings to quickly wear through and fail. TUFFLEX solved this problem and now provides the ski industry with a solution that has been in use at countless resorts for up to a dozen years with excellent results.

The TUFFLEX concept of "Tuff & Flexible" liquid-applied and seamless waterproof membranes is quickly moving into the equally hard usage marine industry. Why continually paint a **flexible ship deck** with a **rigid paint**, when you can actually **waterproof** it with a **flexible membrane**!

On the exterior decks, the TUFFLEX Systems **prevent rust** while providing traction surfaces tailored to the vessels' specific needs, smooth for easy cleaning to very aggressive slip resistance for traction in rough seas.

In the interior deck areas, the flexible and seamless TUFFLEX Systems provide unique **seamless sanitary barriers** that meet the ever increasingly stringent USDA, FDA and HACCP Standards. Rigid flooring and deck systems crack, which allows cross-microbial migration underneath the coating where it is impossible to sanitize or decontaminate. **In contrast**, the flexible and seamless TUFFLEX Systems "rock & roll" with the hull movement and **will not crack**, providing a monolithic sanitary surface that can be easily cleaned and maintained.



Failure of **rigid** decking products that were used to slope and coat a **flexible** ship deck. This deck cracked from the ship's movement, allowing the water to penetrate to the metal, resulting in rust.



The failed sections of this rigid product were removed. The deck was cleaned and primed, and the holes were filled and re-sloped with flexible **TUFFLEX Sand Slurry**.



The deck was then coated with a seamless **TUFFLEX Membrane System**. This customer's choice of texture and colorcoat was then applied for a flexible deck that will now "rock & roll" with the ship's movement. Imagine how much easier and less expensive it would have been to use the flexible **TUFFLEX Sand Slurry** and **Membrane System** in the first place!



"Waterproof" around the nuts & bolts and nooks & crannies of deck flanges. This seals water out of the dead spots where rust first starts. (Imagine a rubber "shrink wrap" effect!)

Fill in pitted deck surfaces. It looks better and keeps the water out of low spots.



TUFFLEX®

UNIQUE ELASTOMERIC SURFACING SOLUTIONS

For further information, specifications, job histories and samples, please review our web site

www.tufflexinc.com and contact us at: TUFFLEX, LLC.

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