

# PolyArmor® *Hi-Slip 850-52-2*

**HEAVY DUTY / SEVERE SERVICE / EXTREMELY LOW FRICTION**

## ▶ Product Data

Polyarmor® Hi-Slip 850-52-2 is a highly crosslinked plural component polyurea system that is to be applied in industrial applications only by trained and experienced applicators using specialized proportioning and dispensing equipment. It is very slippery. It sheds sticky products such as clay, mud, asphalt, ice, frozen coal and other frozen types of products. It is very resistant to attack from hydrocarbons such as gasoline and jet fuel. It has excellent high temperature properties. It will withstand temperatures of 400 ° F in dry applications and non-aggressive atmospheres.

- ◆ NON-STICK SURFACE / VERY SLIPPERY
- ◆ Ideal for vertical, overhead and horizontal
- ◆ No solvents, 100 % solids, "0" VOC, low odor
- ◆ Good chemical resistance
- ◆ Excellent gloss retention
- ◆ Use over wood, concrete and metal
- ◆ Extremely moisture insensitive
- ◆ Outstanding abrasion and impact resistance
- ◆ Tough, flexible, elastomeric polymer

## ▶ Typical Uses / Very Slippery

### Primary & Secondary Containment

- ◆ Floors, Walls and Ceilings  
Warehouse \* Manufacturing \* Shop
- ◆ Structural Steel  
Bridges \* Tanks \* Pipe lining
- ◆ Industrial Plants  
Chemical \* Petroleum \* Wastewater \* Power Pulp & Paper \* Manufacturing \* Food & Beverage \* Agricultural
- ◆ Marine  
Ship Hulls \* Docks \* Decking \* Offshore Platforms \* Superstructures \* Barges
- ◆ Transportation  
Railcar interiors ( frozen coal, sticky latex, etc.) \* Truck boxes ( asphalt, frozen sand, salt, etc.)
- ◆ Waste Water Treatment  
Clarifiers \* Piping \* Tanks \* Sweep Arms

## ▶ Typical Application Properties

Mix ratio:1 to 1 by volume

Application method: Plural component proportioning spray

**WARNING:** Spraying by any method produces fugitive mist vapors and fumes. Extreme care must be exercised to protect personnel from exposure. Air exhausting equipment ( fans / ducting ) must be used to dissipate the fumes appropriately. Confined spaces require extra measures for safety. Isolation of the spray area may be necessary.

- ◆ Solids ( volume ). No solvents. 100% theoretical.
- ◆ Theoretical coverage:1604 mil sq. ft. / gal.  
26 sq. ft. / gal.( 60 mil film )



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## Typical Application Properties

Curing schedule: @ 60 mils thickness( 72° F / 50 % R. H. )

- ◆ Dry to touch:1-2 min.
- ◆ Tack-free and firm:5 min.
- ◆ Through:2 hours
- ◆ Full physicals:24 hours
- ◆ To Recoat:  
Minimum:1-2 min.  
Maximum: 1 hour w/o prep.; indefinite with prep.

Note: If no prep. recoat time is exceeded, abrade surface and chemically activate. Cure time is relatively temperature and humidity independent.

- ◆ Pot life: Not applicable
- ◆ Shelf life: 6 months unopened @ 73° F
- ◆ Cleanup: Visuron CS-100 cleaning solvent, ketones, xylene.



**COLOR AVAILABILITY: light gray, medium gray, charcoal, black & beige**



## Typical Physical Properties

	ASTM Method	Value 7 Days
Elongation, %	D-638	270
Tensile, psi	D-638	4530
Tear, notched, pli	D-624	1310
Hardness	Shore "D"	54



## Installation/Surface Preparation

All surfaces must be clean, dry and free of all contamination prior to coating. Performance is, in general, proportional to the degree of surface preparation. Always consult Visuron Technical Assistance for guidance.

⇒ Carbon Steel: SSPC SP-10. Appropriate Visuron primer should be considered. Correct primer usage will extend life and increase corrosion resistance.

⇒ Other metals:

Aluminum: Use primer such as Alum prep® after cleaning and light abrasive blast.

Galvanized: Use primer such as Galva prep® after cleaning and light abrasive blast.

⇒ Plastics: Fiberglass, gel coat and other surfaces need to be abraded. Chemically activate if necessary. Perform test patch to verify adhesion.

⇒ Concrete / Masonry: Remove all laitance, form release and curing coating by abrasive or shot blast. Use POLYARMOR® PRONTO PRIMETM or PRO PRIMETM prior to coating. Perform patch test over existing coating to verify adhesion.

⇒ Wood: May be applied directly over wood if no grain lift is observed. Normally, the coating thickness will be sufficient to level out any grain lift that may occur. Perform patch test before proceeding with full job.

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## **Shelf Life**

Six months in sealed unopened containers. Keep away from extreme heat, freezing and moisture. Never store in direct sunlight.

Clean up with Visuron CS-100 cleaning solvent, MEK, xylene or PGME. Dispose of in accordance with local and federal disposal regulations. See MSDS.

Read and understand the MSDS included with all shipments. Always use products with adequate ventilation and use required PPE. For confined space, use fresh air supply. For open air, use minimum of half-face, twin cartridge respirators approved for MDI. Always adhere to Society of Plastics Industry Safety Standards.