



Poly-Armor

STRUCTURAL REPAIR PRODUCTS

*Presents "A Fluid Applied
Reactive Plastic Membrane"*

Don't **Re-Roof**

Restore Your Existing
Roofs With A Monolithic
Reactive Plastic
Membrane.

- Single Ply
- Mineral Surface
- Bur Gravel
- Metal
- Foam



Before



After

Structural Repair Products, LLC

1-800-386-5058

www.polyarmorroof.com

STRUCTURAL REPAIR PRODUCTS LLC



Poly-Armor Over TPO



Poly-Armor Over Concrete Silo



Poly-Armor Over Metal

Poly-Armor is a rapid setting, 100% solids, flexible polyurea coating system, with excellent resistance to Ultraviolet degradation, surface wear from exposure, abrasion, and foot traffic.

Poly-Armor's Reactive Plastic system, is applied to suitably prepared, in-place roofing substrates as the new wear surface, protecting the existing roofing components from further damage and deterioration. Its fast cure time, and TPO like toughness, make it ideal for demanding commercial applications.

Poly-Armor can be applied in a single pass, or in multiple layer applications as the conditions dictate. The system is relatively insensitive to moisture and temperature, allowing application in most temperatures between 0 -100 F.

Features:

- ▶ **Withstands Ponding Water**
- ▶ **Will not Delaminate**
- ▶ **Extremely Wear Resistant**
- ▶ **Puncture Resistant**
- ▶ **Excellent Chemical Resistance**
- ▶ **Interior Or Exterior Applications**
- ▶ **Zero VOC's**
- ▶ **No Primer Required**
- ▶ **10-15-20 Year Warranties Available**





Description	Poly-Armor is a high quality, two part, reactive plastic, flexible membrane. Due to the unique chemistry, Poly-Armor can withstand ponding water, UV rays and the highest levels of abrasion from pedestrian traffic or machinery.
Usage	Poly-Armor adheres directly to the substrate and does not require a primer. Use it to protect large and small buildings, homes, garages, patio covers, sheds, barns, mobile homes, RVs and more.
Origins	Poly-Armor was originally designed for the heavy industrial/commercial setting. Most other fluid applied recovery systems are unable to stand up to the vigorous demands in these environments.

Technical Data

Adhesion	Bonds to aged asphalt, aged EPDM, aged TPO, built-up, cap sheet, composite, concrete, fiberglass, metal, modified bitumen, torchdown, sprayed polyurethane foam and most existing coatings on flat or sloped roofs.	
Chemical Resistance	Outstanding solvent and chemical resistance. There are no known chemical interactions with Poly-Armor once the material has solidified.	
Toxicity	Not for use in contact with edible substances or potable water.	
Weatherability	Superior durability, color stability and chalk resistance	
Tensil	ASTM D638-14	572 psi
Elongation	ASTM D638-14	50%
Reflectance Emittance	ASTM E903	83%
	It's important to remember reflectance ratings are only as good as the materials ability to stay clean. Poly-Armor maintains a very clean reflective surface in most environments especially when compared to other products on the market.	
Water Vapor Permeance	ASTM E96 (B)	.05 Perms

Solids	100% By Volume
Storage Stability	One year from date of manufacture when stored in unopened containers at 40°- 85°F (4°-29°C).
Theoretical Coverage	2.75 gallons per square in order to obtain 45 mil. Coverage rate will decrease on rough substrates. Speak to your rep about proper coverage.
VOC'S	Virtually zero VOC'S due to the unique chemical formulation.

Mixing	Part A should be mixed for 1.5 minutes. Part B should be slowly added and mixed into part A for approximately 1 minute, making sure to create a uniform color. DO NOT use a battery drill!
Thinning	Poly-Armor should NEVER be thinned for any reason.
Primer	No primer is necessary on most roofing substrates.
Application	Utilizing a grid type measuring system, apply Poly-Armor at approximately 2.75 gallons per square in order to maintain a minimum 45 mil application. Poly-Armor should be poured at the top of the grid and squeegeed back toward rear grid marks while back rolling material.
Dry Time	Due to the chemical set of Poly-Armor, average dry time is around 3 hours, but can set up as quick as 2 and take as long as 6 depending on outside temperature. Poly-Armor can be installed between 15 degrees F up to 100 degrees F.
Clean Up	Make certain to clean tools and spills prior to Poly-Armor solidifying. Mineral spirits is the best option when attempting cleaning of any type. Keep in mind, the strength of any system is how well it adheres to a substrate. With that said, once Poly-Armor sets, it is extremely difficult to remove from most surfaces.
Maintenance	It's always a good idea to perform a bi yearly inspection on your roof substrate in order to make sure it is clear of debris, drains are clear and operating properly, and to make sure all seams and penetrations are in tact.
Safety	Please refer to the safety data sheets for all health and safety information.