



**armus**  
NANOTECHNOLOGY

SMART, SUSTAINABLE  
NANO-FORMULATED SOLUTIONS



# WATER-BORNE EPOXY PRIMER

## APPLICATION GUIDE

### SURFACE PREP & APPLICATION GUIDE

#### REQUIRED TOOLS

- PAINTER'S TAPE
- POWER DRILL
- PAINTBRUSH (2-4" WIDE FOR EDGES)
- EPOXY MIXER
- PAINT ROLLER EXTENSION
- EPOXY ROLLER

Epoxy rollers are designed to leave less stipple than other roller covers. We recommend choosing a lint-free woven roller with a 3/8 inch or 3/16 inch nap for smoother coverage.

#### AIRLESS SPRAYER (OPTIONAL)

If you are choosing to apply WBE-P using an airless sprayer, please note our specifications of the sprayer you should be using below.

**Material Flow:** 2.9 gal / min (11 liters / min)  
**Max Pressure:** 270-300 bar  
**Air Intake Pressure:** 5-6 bar  
**Pump Filter:** 30 Mesh  
**Hose:** 3/8"  
**Nozzle:** 0.027" - 0.031"

#### PERMFA-FLEECE (ROOFING PROJECTS)

For roofing projects, we recommend using Perma-Flash fleece for penetration points, seams, and joints. The fleece can be dipped into WBE-P and shaped around penetration points.

#### 3 BEST ARMUS TOPCOATS

Thermal Guard Roofs, Roof Guard or Floor Guard Extreme are our 3 favored topcoats for WBE-P.

Topcoats should be applied 48 hours after application of WBE-P after ensuring moisture content is less than 4%.



#### SURFACE PREP

1. Wear protective gloves & gear before applying.
2. **NEW ROOFING SUBSTRATES** from cement and new masonry should have **cured for more than 4 weeks** prior to application.
3. Surface must be cleaned from dirt, debris, and any residue.
4. Scrub away mold or mildew, or power wash if necessary. We recommend using a high-performance vacuum to clean the surface.
5. Allow surface to dry completely.
6. For roofing projects, ensure moisture of the roof is less than 15% prior to application.

#### APPLICATION INSTRUCTIONS

1. Open Part A Base. Using a power drill and epoxy mixer, mix Part A well for a minimum of 1 minute. It is composed of solids, so ensure Base is mixed until fully homogenous.
2. Pour all of Part B into the Part A container. Completely mix Part A (Base) & Part B (Hardener) together using mixer for a minimum of 1 minute. Mix at a low RPM in the Part A container.
3. Start with penetration points, seams and joints. Take Perma-Flash fleece and dip into mixed WBE-P. Shape fleece around joints, seams and penetration points. Allow WBE Primer & fleece to dry and cure. Use paintbrush to apply WBE-P over applied fleece.
4. Using a paint brush, paint any edges of your working section. You should work from the exterior to interior of your coverage area.
5. If using airless sprayer, spray over application area evenly.
6. If using roller, pour material and spread evenly.
7. Work in sections until entire area is coated in the same manner, ensuring your spread rate is consistent across the project. Each mixture has a **maximum 45-minute** working time (at 77°F / 25°C).
8. Allow WBE Primer to dry for 8 hours between coats if applying additional coats.
9. WBE Primer fully dries in 24 hours, and fully cures in 48 hours.
10. If working in hotter temperatures, store material in shade or in a cool area to maximize pot life.
11. **Once 48 hours have passed, ensure moisture content is less than 4% before applying topcoat.**

#### APPLICATION CONDITIONS

Do not apply the product in high humidity conditions (>75%) or if rain is expected within 24 hours after application. For roofing application, ensure roof moisture is less than 15% prior to application.