armus
NANOTECHNOLOGY

SMART, SUSTAINABLE
NANO-FORMULATED SOLUTIONS

ROOF GUARD

APPLICATION GUIDE

SURFACE PREP & APPLICATION GUIDE

REQUIRED TOOLS

☐ **PAINTER'S TAPE**

☐ **PAINTBRUSH (2-4" WIDE FOR EDGES)**

☐ **PAINT ROLLER EXTENSION**

☐ **SPIKED ROLLER**
Spiked rollers help to remove air bubbles when applying Roof Guard and provide a near-perfect mil thickness for your coating. The length of the roller spike will determine the mil thickness of your final coating.

☐ **AIRLESS SPRAYER (OPTIONAL)**
If you are choosing to apply Roof Guard 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"

☐ **ARMUS WATER-BORNE EPOXY PRIMER**
WBE Primer works on almost every substrate and is specially formulated to provide added adhesion to Roof Guard topcoat. Its epoxy formulation also provides additional waterproofing protection.

☐ **AGGREGATE (OPTIONAL)**
For a non-slip topcoat, aggregate can be added to the topcoat. Any typical aggregate can be used (ie. gravel, crushed rock, blast-furnace slag).

☐ **POWER DRILL**

☐ **EPOXY MIXER**

SURFACE PREP

1. Wear protective gloves & gear before applying.
2. Roof must be cleaned from dirt, debris, and any residue. Scrub away mold or mildew, or power wash if necessary.
3. Allow surface to dry completely.
4. Ensure moisture of the roof is less than 15% prior to application.
5. **REQUIRED:** Apply base coat of ARMUS WATER-BORNE EPOXY PRIMER to increase adhesion. Allow WB-Epoxy Primer to cure and dry for 24 hours.
6. Fleecing joints, seams and penetration points may be required during the application of WBE Primer. See WBE Primer Application Guide for additional details.

MEASURE COVERAGE AREA

Depending on your desired dry-film thickness, measure & use tape to mark the corners of the area on the roof for each application section. Doing so is the easiest way to ensure that you are not over-spreading the material, and that the application of Roof Guard is applied at the proper spread rate.

APPLICATION INSTRUCTIONS

1. Open Part A Base. Using a power drill and paddle paint 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. Using a paint brush, paint any edges of your pre-measured section. You should work from the exterior to interior of your coverage area.
4. If using airless sprayer, spray out your pre-measured section, ensuring you are using the entirety of TG-R for the section.
5. To apply using roller, pour material and spread over your pre-measured section and spread with spiked roller.
6. Work in sections until entire roof 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).
7. Apply aggregate over the final topcoat before TG-R fully dries. Non-adhered aggregates must be removed with a high-performance vacuum.
8. Allow Roof Guard to dry for 8 hours between coats if applying additional coats.
9. Roof Guard fully dries in 14 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.

APPLICATION CONDITIONS

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