



armus
N A N O T E C H N O L O G Y

SMART, SUSTAINABLE
NANO-FORMULATED SOLUTIONS

FLOOR GUARD EXTREME

APPLICATION ON GELCOAT

SURFACE PREP, APPLICATION & CARE GUIDE

REQUIRED TOOLS

PAINTER'S TAPE

POWER DRILL

EPOXY MIXER

PAINTBRUSH (2-4" WIDE FOR EDGES)

PAINT ROLLER COVER

We recommend using a roller with a short nap so that Floor Guard Extreme applies evenly without being overly absorbed, pulled or dragged by the roller during application.

PAINT ROLLER EXTENSION

POLYURETHAN SEALANT (OPTIONAL)

4" FIBERGLASS MESH (OPTIONAL)

ARMUS WATER-BORNE EPOXY PRIMER

Armus Water-borne Epoxy Primer works on almost every substrate and is specially formulated to provide added adhesion to Floor Guard Extreme. Its epoxy formulation also provides additional waterproofing protection.

SQUEEGEE (FOR SQUEEGEE APPLICATION ONLY)

DRY QUARTZ SAND (FOR SQUEEGEE APPLICATION ONLY)

SURFACE PREP

1. Wear protective gloves & gear before applying.
2. Ensure all mould-release agents, fouling or other contaminants are removed from vessel bottom.
3. Once clean, wipe down all gelcoat with Acetone using a microfiber cloth. Allow surface to dry.
4. Double tape the waterline and cover any electronics that you do not want coated.



APPLICATION - BY ROLLER

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. If needed, transfer the mixed materials into a new bucket for easier roller application.
4. Start by brush-painting the perimeter edges.
5. Dip the roller into the mix for loading. Roll a liberal amount of the mixture onto the surface in a zigzag pattern. Then fill in the space with crisscross strokes.
6. Once the area is covered, "level the finish" by laying off long, parallel strokes.
7. Tape 4" (10cm) wide of fiberglass mesh across joints or cracks later than 1.5mm (60mils). Laying-off needs to be done before Floor Guard Extreme begins curing, so it's best to work in sections.
8. Working time for Floor Guard Extreme is 45 min at 77°F (25°C).
9. Allow Floor Guard Extreme to dry and cure. Floor Guard extreme cures in 24 hours.
10. After Floor Guard Extreme has cured, apply a polyurethane "flexible: sealant for "leveling-off" expansion joints. If needed, recoat after 180min.

APPLICATION - BY SQUEEGEE

1. You will need 1,500g of sand for each gallon of Floor Guard Extreme if applying by squeegee. For final dry film thickness of 20 mils, select quartz sand with thickness around 200 nanometers / 8 mils.
2. Empty the quartz sand into Base A, stirring vigorously. Always mix Hardener B to Base A. For each volume of Base A, add 2/3 of Hardener B by volume.
3. Use a mixing bucket, paddle mixer, and/or drill for thorough mixing.
4. Continue mixing for three minutes after adding Hardener B into base A. Ensure that the paddle mixer reaches all edges of the mixing container.
5. If needed, transfer the mixed materials into a new bucket for easier squeegee application.
6. Pour ½ liter of the mixture on the application area. Use a wide, good quality squeegee, notched at the desired dry film thickness. For example, 1mm notches for 1mm dry film thickness.
7. Spread uniformly by "pressing lightly" on the squeegee.
8. Then use a "spiked roller" for uniformity and degassing (removing air bubbles).
9. Working time for Floor Guard Extreme is 45 min at 77°F (25°C).
10. Allow Floor Guard Extreme to fully dry and cure. Floor Guard extreme cures in 24 hours.

APPLICATION CONDITIONS

Substrate temperature should not exceed 68°F (30°C) and humidity content should not exceed 15% or the curing time values may change. Do not apply the product outdoors if rain is expected within 24 hours after application.