SPRAY-APPLIED

NANO CURE

Advanced Elements | Nano Silica Curing Agent

AE Nano Cure is a ready-to-use colloidal nano silica curing agent, spray-applied to the surface of newly finished concrete. It is designed to support hydration at the wear surface through early curing and to densify that surface as it reacts. AE Nano Cure penetrates rather than forming a membrane, so there is no film to dissipate, strip, or grind away before flooring, coatings, or polishing, and it does not depend on sunlight or traffic to break down. It is suitable for interior and exterior slabs, including floors scheduled for grinding and polishing.

BENEFITS

- Colloidal nano silica technology
- Designed to support hydration at the wear surface during early curing
- Penetrates and reacts — leaves no membrane or film
- No stripping, scrubbing, or mechanical removal before grinding, polishing, or coating
- Does not depend on UV exposure or traffic to dissipate
- Designed to increase surface density and abrasion resistance
- Designed to help reduce surface dusting
- Will not interfere with densifiers, dyes, adhesives, or coating systems
- Zero VOC · Non-hazardous · Non-flammable

PROPERTIES

BASE	Colloidal nano silica
FORM	Ready-to-use liquid
VOC	Zero
COVERAGE	400 – 600 sq ft per gal
DILUTION	None — do not dilute
SHELF LIFE	18 months

APPLICATION

Step 1: Apply as soon as the finished surface is firm enough to walk on without marking.

Step 2: Confirm the surface water sheen has fully disappeared. **Do not apply into standing water or bleed water.**

Step 3: Apply using a low-pressure pump sprayer or power sprayer fitted with a fine-fog tip. Do not apply by roller or broom.

Step 4: Hold the tip 6–24 in. (15–60 cm) above the surface and apply in **two passes at right angles** for even coverage.

Step 5: Do not allow the product to puddle. Watch high spots, where material runs off and leaves thin coverage.

Step 6: Avoid breathing spray mist. Where ventilation is limited or overspray is heavy, use a suitable particulate respirator.

Step 7: Protect the slab from traffic, staging, and taping for as long as the schedule allows. No rinsing or removal is required.

Coverage. 400–600 sq ft per gallon (10–15 m²/L). Coverage varies with surface texture, porosity, finish type, and ambient conditions. Open, pan-floated, and broom-finished surfaces consume more product than hard-troweled surfaces — estimate at the lower end of the range for these finishes.

Compatibility. AE Nano Cure is compatible with subsequent grinding, polishing, densifying, staining, adhesive, and coating systems, and leaves no film requiring removal. Trial applications are recommended to confirm coverage and appearance for your specific materials and conditions.

PACKAGING

SIZE	GALLONS	LITERS
Pail	5	19
Drum	55	209
Tote	275	1,041

STORAGE & SHELF LIFE

- Do not break the seal until the product is ready for use. Keep unused product in its original container.
- Store in a well-ventilated, cool, dry location between 41°F and 95°F (5°C – 35°C).
- Shelf life is 18 months from the date of manufacture in the original, unopened container.
- PROTECT FROM FREEZING. This product is perishable if frozen. Protect from direct sunlight and UV exposure.

SAFETY

- Always read the application instructions and the Safety Data Sheet in full before use.
- Always conduct site trials before full application. Materials, substrates, and site conditions vary by location and can affect the final result.
- Wear appropriate personal protective equipment, including eye protection and gloves. Avoid contact with eyes and prolonged contact with skin.
- Performance, working time, and finish quality may vary with mix design, ambient conditions, batch, and applicator skill.
- Clean all application equipment and tools immediately with clean water after use.
- Collect and handle wastewater and spilled material properly to protect people and the environment.
- Applications not covered by this documentation may be available upon request.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.
BEFORE USING THIS PRODUCT PLEASE READ THE SAFETY DATA SHEET IN ITS ENTIRETY!

The content of this technical datasheet corresponds to the latest developments and our experiences. All information is based on ideal conditions and therefore may not be completely accurate in actual construction. Due to different types of materials, surfaces and actual construction conditions, guarantees are not given for applications. We are not liable for this information or any verbal statements. The only exception is when we can be blamed for willful negligence in liability. In that case, the customer must prove that he has fully and promptly transmitted all necessary information to us for examination and resolution. Any other details relating to the construction of our products must be confirmed in writing by us. The customer must check the suitability of the product for the intended application and purpose. We reserve the right to change the specifications of products due to ongoing development. In addition, our general terms and conditions are valid. This product documentation supersedes all previous technical data on this product.