



MiraGard NanoGlass Admixture

Product Technical Data Sheet

MiraGard NanoGlass Admixture is a clear, single component, water-based, fortified colloidal silicate that densifies new pool and spa plaster finishes. Based on superior inorganic mineral technology, it will significantly extend the service life of pool plaster and minimize the potential for the most common problems associated with pools such as etching, dusting, discoloration, cracking, and calcium nodules.

WHERE TO USE

- New pool and spa plaster finishes.
- Marcite and polished plaster.
- Exposed white or colored quartz finishes.
- Exposed white or colored pebble finishes.
- Smooth troweled colored plaster.
- Smooth troweled colored quartz finish.
- Smooth troweled white plaster and unexposed quartz finish.

ADVANTAGES

- Converts $\text{Ca}(\text{OH})_2$ (soluble) into CSH (insoluble).
- Cures, seals, and densifies new plaster.
- Increases Compressive value of plaster.
- 50% reduction in plaster moisture absorption.
- Reduces plaster dusting >80%.
- Water thin micro-crystalline technology – penetrates fast.
- Faster and easier balanced start up.
- Reduces color loss and potential for etching and calcium nodules.
- Minimizes the potential for shrinkage and micro-cracking.

PACKAGING and COLORS

Color: Clear (Pink translucent)
5-gallon pail
50-gallon drum and 260-gallon tote

MIX RATIO/DOSAGE RATIOS

10oz per 94lbs.of cement

SHELF LIFE AND STORAGE

Two years from the date of manufacture, when unopened and material is stored in a protected environment free from moisture, excessive heat, freezing temperatures, and direct sunlight.

OVERVIEW OF INSTALLATION STEPS

- **Mixing** – A single component ready to use liquid, *MiraGard NanoGlass Admixture* only needs to be briefly shaken before use. Do not alter or dilute it in any way and use it strictly as supplied in original containers.
 1. Add mix water to hopper.
 2. Add MiraGard NanoGlass and allow to mix in hopper.
 3. Add CaCl (if applicable) and allow to dissolve.
 4. Add Cement and aggregate.

TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

Surface Hardness (ASTM C805).....	+20-30% increase
Abrasion Resistance (ASTM C944).....	+15-25%
Water Absorption (ASTM C642).....	-40-50%
Dusting Resistance (ASTM D4213 visual).....	Significantly Reduced
Color.....	Water White/Pink Hue
Flash Point (ASTM D92/D93).....	No Flash to Boiling
Odor.....	Mild to None
pH.....	11-12.5
Weight per gallon @25°C.....	9.09 lb/GAL
Specific Gravity @25°C.....	1.08-1.11
VOC (grams/liter).....	0 g/L (calculated)

FOR BEST RESULTS

- Always install a minimum 4' x 4' on-site mock-up to verify actual coverage rates, and for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.
- Verify and download current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guides (IG) at www.miracote.com.
- Protect materials from excessive heat and cold, and pre-condition to room temperature, as necessary.

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LIMITATIONS

- *MiraGard NanoGlass Admixture* will etch or stain glass, tile, metal, and other non-porous materials. Avoid contact and wipe clean with a cloth saturated with potable water immediately.
- The proper application of this product is the sole responsibility of the end user. Job site visits by Miracote representatives are only for observation and making recommendations. This does not assume any liability for supervision or quality control.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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