

# **CONSTRUCOLOR® D02-AA382**

## **CONCRETE AND MORTAR POLISHER & DENSIFIER**

*Technology Solutions for the Construction Industry*

### GENERAL INFORMATION

CONSTRUCOLOR®'s D02-AA382 Polisher and Densifier is a next-generation product with a next-generation product with a proprietary nanoparticle-based formula. When applied to new or existing concrete and mortar surfaces, or to CONSTRUCOLOR® Polishable Overlays, it reacts by increasing surface hardness and abrasion resistance, allowing the surface to be polished to a mirror-like finish. It also reduces liquid absorption.

When applied to freshly poured concrete before polishing, it integrates with the surface bleed water. When applied to fully cured floors, it penetrates the pores. The depth of penetration depends on the porosity of the concrete or mortar and, if significant, may also increase compressive strength.

CONSTRUCOLOR® D02-AA382 is solvent-free and environmentally friendly, manufactured with cutting-edge technology and high-quality raw materials.

Once incorporated into concrete or mortar, the D02-AA382 becomes a permanent component of the material due to its chemical bonding, offering UV resistance and weather resistance, which in turn extends the useful life of the treated concrete or mortar surface.

### APPLICATION

Since CONSTRUCOLOR® D02-AA382 is packaged in concentrated form, it must be diluted with clean water in a 1:1 ratio before application.

Apply using a low-pressure sprayer with a fan-type nozzle, ensuring even coverage and saturating the surface without puddling.

The surface must be free of grease, dust, curing membranes, sealers, or any substance that could prevent direct contact between the D02-AA382 and the substrate. If desired, a mop or microfiber pad can be used to help spread the product evenly.

In cases where the goal is to increase compressive strength, the surface should be saturated until no more product is absorbed.

Before applying D02-AA382, it is recommended to repair cracks and gaps with CONSTRUCOLOR® Patch G01-AA323, and treat dusty surfaces with CONSTRUCOLOR® Additive G01-AA021 (refer to the technical data sheets of these products).

### POLISHING AND BURNISHING

For fully cured concrete floors, to optimize the effect of D02-AA382, it is recommended to wait at least five days after pouring before application. However, for CONSTRUCOLOR® Polishable Microtoppings, it can be applied the following day or later.

After applying the product, wait for it to fully dry before continuing with any next steps. It is recommended to apply D02-AA382 after using the 100-grit or 200-grit resin pad, depending on the condition of the floor.

Do not use acids or abrasive detergents to clean before or after applying the product.

If desired, a second application can be made after the 400-grit pad.

To proceed with polishing, it is recommended to use the Mohs Hardness Test to verify a hardness level of 8 or 9. Then, continue with your standard concrete floor polishing process until the desired shine is achieved.

### PACKAGING

CONSTRUCOLOR® D02-AA382 is packaged in concentrated form in:

- 5 gallon ( 18.93 liters) buckets
- 55 gallon (208 liters) drums

Unopened containers may be stored for up to two years at temperatures between 50°F to 105°F (10°C and 40°C).

### WARRANTY

CONSTRUCOLOR® guarantees consistent quality in the manufacturing of D02-AA382 Concrete and Mortar Polisher & Densifier. All recommendations and information provided are based on controlled testing. However, conditions of use and interpretation of data are entirely the responsibility of the user.

Users must test the product beforehand to determine its suitability for their needs. CONSTRUCOLOR® makes no express or implied warranty on the results obtained. This product is for professional use only. Refer to the Safety Data Sheet for health and safety guidance before use.

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