

### GENERAL

#### 01: Product Description

Scott's Concrete's **ALL IN ONE** densifier, dust-proofer, hardener, finishing aid is a one component water based colloidal silica solution. This product is designed for interior and exterior use to densify Portland Cement based products.

These surfaces include but are not limited to concrete floors, walls, driveways, sidewalks, precast, masonry, and natural stone.

**ALL IN ONE** reacts with any free lime not assimilated in the process of hydration, converting it to a gel like substance that fills the pores of cementitious surfaces. Use as finishing aid when bull floating, power troweling or hand troweling. Use while finishing in place of water.

#### 02: Features & Benefits

- Increases surface strength by 30% or more
- improved abrasion and wear resistance
- Stops dusting and efflorescence
- Greatly reduces the potential for Alkali Silica Reaction (ASR) and "chert pops"
- Does not alter appearance of concrete substrate
- Helps "save the slab"
- Greatly improves finish-ability while using bull float, power trowel, or hand trowel
- Lubricates trowel blades for better finishing
- Aids with the finishing of shake-on hardeners
- Reduces potential for checking, crazing, scaling, and curling
- A **true finishing aid**, eliminates the need to use water during the finishing process

#### 03: Reasons to Use as a Finishing Aid

Applying **ALL IN ONE** while placing concrete has many advantages. By using **ALL IN ONE** as a finishing aid, the concrete surface becomes considerably easier to finish without risk of damaging the surface by adding extra water. The concrete surface becomes more workable due to the gel like substance created when **ALL IN ONE** is applied. When used as a finishing aid, the concrete surface has less chance of surface checking or dusting, and is harder and denser, resulting in a superior finish.

It just might save a job that may have "gotten away" because it hardened before you could finish it.

#### 04: Sustainability

**ALL IN ONE** increases the durability and performance of a concrete surface, extending its service life and minimizing the material and energy consumption needed for its replacement.

- Zero-VOC formula
- South Coast Air Quality Management District (SCAQMD) compliant
- Qualifies for LEED v4 credits
- No hazardous waste created

#### 05: Materials Packaging

**ALL IN ONE** is available in the following packaging:

- 1 gallon / 3.78 liter jug
- 5 gallon / 19 liter pail
- 55 gallon / 208 liter drum
- 270 gallon / 1021 liter tote

#### 06: Coverage Rates

**ALL IN ONE** coverage rates will depend on jobsite conditions, porosity, finish and application technique. Before floating or troweling, test **ALL IN ONE** on a sample section to determine appropriate application rate and technique before applying to entire project area.

Use these coverage rates as a starting point to determine necessary application rate:

rough broom finish .....	200 ft <sup>2</sup> / gallon
light broom finish .....	300 to 400 ft <sup>2</sup> / gallon
steel trowel worn interior floor.....	300 to 500 ft <sup>2</sup> / gallon
steel power trowel	
tight or burnt finish .....	400 to 600 ft <sup>2</sup> / gallon
polished concrete 400 grit .....	500 to 600 ft <sup>2</sup> / gallon
polished concrete 800 grit .....	600 to 800 ft <sup>2</sup> / gallon

#### 07: Storage & Shelf Life

**ALL IN ONE** should be kept in the original container when possible with the lid fastened tightly. **ALL IN ONE** has an optimized shelf life of 24 months from the date of manufacture.

- Keep in a dry place
- Temp range of 40-100°F or 4-38°C
- Do not allow to freeze

### APPLICATION

#### 08: Applications

**ALL IN ONE** is designed to enhance concrete during different stages of operation:

- As a **finishing aid** during the floating and troweling stages of concrete placement to improve finishing operations as well as improve the performance of the concrete surface
- As a **hardener and dust-proofer** applied same day as placement when it is safe to walk on the surface without marring
- As a **surface densifier** during the concrete polishing stages to harden and densify producing a more durable and better looking polish

#### 09: Mixing & Dilution

**ALL IN ONE** is a one component product

- Mix well before using **ALL IN ONE**
- Pour **ALL IN ONE** directly into sprayer

#### 10: Equipment

Apply **ALL IN ONE** using a low-pressure pump sprayer. Use either a fan tip or a cone tip for even spraying. Automatic low pressure sprayers can also be used for larger projects. **ALL IN ONE** can also be applied through the water tanks of a ride-on trowel.

#### 11: Pre-Application

Advanced planning is critical to all successful concrete work. Consider the following guidelines when using **ALL IN ONE**:

- Prepare enough **ALL IN ONE** to complete the project
- Check spraying equipment is in working order
- Protect adjacent areas that do not require **ALL IN ONE**

#### 12: Application Guidelines

Apply All In One to sufficiently dampen or wet the surface. Do not drench or puddle. Excessive application of product wastes material and may cause a dusting of white powder on surface that will dissipate in time or may be scrubbed off with water and scrubber.

As a **finishing aid**, apply **ALL IN ONE** at the first bull float or final finish while steel power or hand trowel is used. Wet surface as trowel passes over surface. Multiple applications can be used throughout the finishing process. Do not exceed 200 ft<sup>2</sup>/gal per single application.

On **large smooth troweled surface**, one person applying with conical type sprayer and another spreading product with microfiber mop will efficiently apply product.

On **broom finish exterior concrete** apply as described in general directions above.

#### 13: Limitations & Important Notes

**ALL IN ONE** reduces porosity of the concrete surface, but should not be confused with concrete sealers; it will not seal or prevent staining.

**ALL IN ONE** must be floated or troweled into the concrete immediately after application. Full benefit will not be realized if **ALL IN ONE** is allowed to dry prior to being worked into surface.

**ALL IN ONE** reduces moisture vapor emissions and will aid curing. **ALL IN ONE** is not a membrane-forming curing compound. **ALL IN ONE** is not a replacement for specified curing compounds.

Do not apply at surface temperatures above 90 degrees.

Do not apply to frozen surfaces.

In hot weather best applied early in morning while concrete is in the shade or cool.

Sprayers, hoses, and tips should be rinsed thoroughly after use

### HEALTH & SAFETY

#### 014: Precautions

**WARNING: FOR PROFESSIONAL USE ONLY.** Before using product, read product SAFETY DATA SHEET (SDS) and instructions on packaging. **ALKALINE MATERIAL:** Contact can damage eyes, skin, and other body tissues. **HANDLE WITH CARE.** Eye and skin irritant. Digestive tract irritant; **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.** Spray mist is a respiratory tract irritant. Use only with adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, clothing. Observe appropriate safety and jobsite controls. Wear appropriate protection including eye protection and chemical-resistant gloves. Ensure fresh air-flow during application and until dry. If you experience headaches, dizziness, eye watering, or if air monitoring shows vapor/mist levels above applicable limits, wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved), used according to manufacturer's directions, during application and drying. **SLIP/FALL DANGER:** During application of **ALL IN ONE** and until dry, treated surface will be slippery. Use extreme care when walking on wet **ALL IN ONE**.

**Inhalation:** May cause irritation. Remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation persists.

**Eye Contact:** Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** May cause irritation. Wash affected area with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.

#### 015: Physical Properties

Appearance ..... Milky white tinted liquid  
VOC content..... 0 g/l  
Active ingredients..... 100% of total solids  
Material pH ..... ± 10.0  
Freeze point ..... 32°F - 0°C

#### 016: Warranty

**Scott's Concrete** products are intended for use by licensed contractors and installers, experienced and trained in the use of these types of products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, express or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing products proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

#### Additional Information & Technical Support:

This document covers the basic guidelines and instructions for the use of **ALL IN ONE**. Further instruction or technical information related to specifying **ALL IN ONE** is available upon request. Contact Scott's Concrete or your local distributor.