

## Technical Data Sheet

### General Information

CaraPro® Single-Coat Concrete Sealer is a penetrating solventborne air-dry coating to be applied to uncoated, porous, concrete surfaces. CaraPro® Single-Coat Concrete Sealer is designed for application by authorized professionals using approved application methods and equipment. CaraPro® Single-Coat Concrete Sealer is available either as a fully transparent sealer or as an all-in-one sealer and semi-transparent stain in an array of colors.

- Great for both interior and exterior applications
- Easy and fast to apply
- Environmentally friendly
- Long-lasting protection

### Recommended Substrates

Suitable for application on most concrete surfaces, including paving, sidewalks, flooring, roads, and driveways.

Do NOT apply to concrete that has been treated or coated previously with sealer, colorant, or other such modifications unless properly prepared.

Do NOT apply to metals, plastics, glass, fabric, wood, or painted surfaces.

NOT suitable for high temperature environments unless cooled down to room temperature prior to application.

### General Surface Preparation

#### **Apply to a clean, dry concrete surface:**

Appropriately clean the concrete to which the CaraPro® Single-Coat Concrete Sealer is to be applied. Ensure that the concrete is free of dirt, oil, grease, and debris before application. In order to ensure a uniform and aesthetically pleasing appearance, the surface must be prepared properly and treated with great care.

Prior to applying CaraPro® Single-Coat Concrete Sealer, the concrete must first be porous to allow proper penetration, adhesion and upon drying and curing, for water repellency.

The surface must be dry and free from any other materials or contaminants that may impact the penetration of the sealer. ALL previously applied coatings, sealers, oils or other additional materials must be completely removed. The surface must be dry and homogenous before application.

To achieve a correct application where the sealed and/or stained concrete surface appears uniform, all loose materials must be removed before application. If this is not the case, one or all of the following procedures may need to be performed: grinding, acid etching, power washing and scrubbing may be required using stiff bristle brushes. The use of strong chemicals such as acids and or detergents may need to be employed. Acid wash to remove ALL traces of bond breakers, release agents, and glazed or polished areas. There must not be any other chemical treatments in situ, even in residue form.

### Application Information

#### **Prior to general application:**

ALWAYS test CaraPro® Single-Coat Concrete Sealer in a designated representative area of your jobsite as near as possible to the area planned for application. Use multiple test areas for larger jobsites and projects ensuring they are the same as the general application area. Do not proceed with general application unless the test areas meet all requirements.

#### **Application Method and Equipment:**

The coating may be applied using spraying techniques or with the aid of foam rollers / brushes. Ensure that all items used are compatible with methanol based products. Clean tools and equipment with methanol and always maintain tools to the highest cleanliness and maintenance standards possible. Always refer to the materials safety data sheet for proper handling, use and clean-up.

**Always apply the coating in a well-ventilated area.** Do NOT apply in a closed-space ever.

NOTE: Variations in appearance may occur due to the specific job conditions. This includes the concrete mix, finish, presence of aggregates, service history, age of substrate and the environment.

### Exterior Coating Applications:

Ensure that the concrete is completely dry before application. For temperatures above 70 F, allow at least 48 hours after it has rained for the surface to dry in sunny or partially sunny conditions. If the sky has been completely overcast since it has rained, it is advisable to wait until the weather clears up due to moisture affecting the rate at which the concrete dries. For temperatures less than 70 F, allow sufficient additional drying time before applying.

Ensure that the forecast does not predict rain in the next 48 hours and that the relative humidity in the area of application is less than 90 %.

If possible, apply CaraPro® Single-Coat Concrete Sealer up-wind ensuring that no other individuals or animals are down-wind from the region where application will take place. If possible, it is preferable to apply the coating outdoors.

### Interior Application of the coating:

Follow the same coating application procedure whilst also ensuring to apply the coating in a well-ventilated area. Ensure all air-conditioning or ventilation be directed outside and not re-circulated.

**Do not thin CaraPro® Single-Coat Concrete Sealer under any circumstances.**

## Product Information

CaraPro® Single-Coat Concrete Sealer is a proprietary concrete sealer available either as a fully transparent sealer or as an all-in-one sealer and semi-transparent stain in an array of colors.

## Product Data

<b>Product Type:</b>	Sealer (Methanol UN1230)
<b>Coverage:</b>	Generally 50 - 200 sqft/US Gal. depending upon the surface type and porosity.

### Drying Time:

This time depends upon the substrate coated and the ambient conditions.

Generally, the coating is dry to the touch after 10-30 minutes, ready for light foot-traffic within 1-2 hour, and curing is completed under ambient conditions within 7 days

### Clean-Up:

Clean any spills immediately from affected areas.

### Disposal:

Contact federal and local environmental regulatory agency for instructions on disposal of unused product. Do not pour into a drain or sewer.

## Test Methods

We have extensive studies carried out under the following testing protocols to determine the efficacy of CaraPro® Single-Coat Concrete Sealer.

### **ASTM C1585 Standard Test Method for Measurement of Rate of Absorption of Water by Hydraulic-Cement Concretes**

- This test method is used to determine the rate of absorption (sorptivity) of water by hydraulic cement concrete by measuring the increase in the mass of a specimen resulting from absorption of water as a function of time when only one surface of the specimen is exposed to water. The specimen is conditioned in an environment at a standard relative humidity to induce a consistent moisture condition in the capillary pore system. The exposed surface of the specimen is immersed in water and water ingress of unsaturated concrete is dominated by capillary suction during initial contact with water.

### **ASTM C1757 Standard Test Method for Determination of One-Point, Bulk Water Sorption of Dried Concrete**

- This test method covers the determination of water ingress into the bulk (mass) of a hardened, dried concrete specimen after being submerged for 30 minutes.

**ASTM C642 Standard Test Method for Density, Absorption, and Voids in Hardened Concrete** - This test method covers the determination of percent absorption in hardened concrete.

### Limitations of Use

For use by authorized professionals only. This product is designed for application by professional, trained personnel using proper equipment under controlled conditions and is not intended for sale to the general public. The coating is designed for Concrete and concrete products only and should not be applied to any other substrate. Do not create slippery areas. Test completed surfaces to ensure all safety standards are met prior to starting application on an entire project or jobsite. If in doubt, do NOT apply under any circumstances.

### Safety Precautions

Before using the product listed in this document, carefully read each product label, Material Safety Data Sheet (MSDS) and follow all directions for its use. If there is no MSDS or directions available please contact Integricote to obtain a copy before commencing work. Please read and understand all the warnings and precautionary information on the MSDS and product labelling.

Safe application of CaraPro® Single-Coat Concrete Sealer requires individual professional training, in addition to knowledge of the equipment and the sealer being applied. Read and strictly adhere to all directions and safety information on both equipment and products for personal safety and protection of property.

It is essential to eliminate conditions which may generate hazardous environments during spray application or subject individuals in the vicinity to injury or illness. All equipment must be handled carefully and properly in accordance with manufacturer's directions.

When utilizing spray equipment, special precautions must be taken, especially if it is airless. High pressure injection of sealers into the skin by airless equipment may cause serious injury. Advice on treatment may be obtained from a Poison Centers or other medical facility.

Air quality should be monitored and preserved with the use of appropriate ventilation. Additional protection is

recommended and should be achieved by wearing suitable respirators and other protective garments such as gloves and coveralls. In all cases, wear protective eye equipment.

**CaraPro® Single-Coat Concrete Sealer contains Methanol that may be harmful if misused. It is a highly flammable liquid and vapor.**

**FOR INDUSTRIAL AND R&D USE ONLY  
Not for drug, household or other uses.**

**USE WITH ADEQUATE VENTILATION.  
KEEP OUT OF REACH OF CHILDREN.**

**DO NOT DRINK, SWALLOW OR INHALE VAPORS**

**In the event of accidental exposure:**

If contact with eyes occurs, flush thoroughly with water for at least 15 minutes. Seek immediate medical attention. If contact with skin occurs, wash with soap and water immediately. Seek medical attention if irritation occurs. If accidentally consumed, do not induce vomiting, seek immediate medical attention and contact a poison control center.

### Packaging & Storage

1-Gallon	(3.785 L)
5-Gallon	(18.9 L)
55-Gallon	(208.175 L)
250-Gallon	(946.353 L)

Larger packs are available upon request:

[sales@integricote.com](mailto:sales@integricote.com)

- CaraPro® Single-Coat Concrete Sealer is moisture sensitive
- Keep container tightly closed when not in use
- Do not allow to freeze
- Store out of direct sun-light, indoors in a cool, well-ventilated area
- Do not transfer to and store in any other container

### Maintenance & Care

Do not use abrasive cleaning agents, highly alkaline or caustic products on areas where CaraPro® Single-Coat Concrete Sealer has been applied.

The efficacy and water repellency of CaraPro® Single-Coat Concrete Sealer can degrade over time due to normal wear and exposure. It may be necessary to periodically reapply CaraPro® Single-Coat Concrete Sealer to such areas.

### Limited Warranty

Integricote, Inc. warrants this product to be free from manufacturing defects and to meet the technical properties described on this Material Data Sheet, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control, as described above.

INTEGRICOTE, INC. MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS.

The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to Purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Integricote, Inc. Any claims concerning this product must be received in writing within one year from the date of shipment and any claims not presented within that period are waived by Purchaser.

INTEGRICOTE, INC., WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice provided by Integricote, Inc. or its representatives are based on Integricote, Inc.'s present knowledge and experience. However, neither Integricote, Inc., nor its representatives, assumes any liability for

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Integricote, Inc. believes the technical data presented in this document is current and accurate: however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in the coating technology may cause future data to vary

#### For complete up-to-date information:

+1-888-790-2468

[info@Integricote.com](mailto:info@Integricote.com)