

Surface Preparation:

Surfaces should be clean & free of debris. Pressure washing is recommended to remove coatings, salt and other surface impurities. Surfaces can be damp but not allow to puddle. Water should be used to cool extremely hot surfaces. Densicrete will **not** penetrate paint coatings, epoxy, asphalt, and recently applied oil or acrylic based surface products.

Application Summary:

- SHAKE WELL BEFORE USING
- **Always** test multiple areas before application to insure penetration into concrete
- Concrete surface, Air & Densicrete must be at a temperature between 50F and 90F
- Apply with a low pressure sprayer, roller or brush
- Apply successive coats at a rate of 150 Sq. Ft. per gallon and 250 sq. ft. for vertical surfaces
- Most applications require two coats while vertical surfaces will require more and lighter coats to prevent runoff
- Stop applying once Densicrete takes longer than 20 minutes to dry and sweep or rinse excess with water - **AVOID PUDDLING**

Visit www.DensiCrete.com for more details on Application Procedures before applying

Post Application:

- Treated area can be reopened in 2 hours
- Contaminants rise to surface in first few days
- Paints and surface coatings can be applied after 7 days but will adhere best after 28 days

Limitations:

- High Strength and tight finished concrete will typically use only one coat
- Low Strength Concrete may not be dense enough for Densicrete to be effective

- Will seal micro cracks less than 1/16th of an inch but will not seal large visible surface cracks
- If over applied DensiCrete can become white and slippery and difficult to remove
- Can etch glass, paint and metal surfaces (rinse with soap and water)

Safety:

- Non-toxic, non-flammable and has zero VOCs
- Silicates in Densicrete may irritate skin and eyes- Flush with water to relieve irritation
- Wear gloves and eye protection
- Limit traffic for two hours

Dispose according to all requirements

Specifications:

- | | |
|-------------------------|---------------------|
| • Dilution | Use as Supplied |
| • Freezing Point | 32 Degrees F |
| • Boiling Point | 230 Degrees F |
| • Shelf Life | 60 Months |
| • Color of Product | Opaque |
| • Color when Applied | None |
| • Odor | Negligible |
| • Flammability | None |
| • Environmental Hazards | None |
| • 2 Coat Coverage | 75 Sq Ft per Gallon |
| • Clean Up | Soap and Water |
| • Storage Temp. | 40 F. to 90 F |
| • Composition | Silicate in Water |

Manufactured By:

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DENSICRETE

Deeply Penetrating Zero VOC Concrete Sealer

Product Summary:

Densicrete is a one and done deeply penetrating sealer that seals, waterproofs and protects concrete and other cementitious surfaces from common environmental exposures such as salt, carbonation and freeze thaw damage. It creates a permanent internal seal by filling micro cracks, voids and densifying the concrete matrix. When penetrating into concrete DensiCrete can displace a significant amount of salt, oil and acid to the surface.

Densicrete can also be used to accelerate the early curing of freshly poured concrete surfaces after the concrete has set (supports foot traffic) saving time and money.

Typical Uses on Concrete:

- Accelerates Early Curing
- Bridges and Roadways
- Driveways and Sidewalks
- Precast Concrete
- Parking Structures
- Salt Sheds
- Food Processing Facilities
- Concrete Polishing

Key Benefits:

- Extends the life of concrete
- Deeply penetrating - won't wear off
- Can be applied to fresh concrete to accelerate early curing
- Significantly reduces salt, carbonation and freeze thaw damage
- Increases strength & seals micro cracks
- Seals & Waterproofs
- Displaces Salt and oil to the Surface
- Allows for vapor transmission
- Traffic can be reopened in 2 hours
- Environmentally safe

Test Results:

AASHTO T-259 Chloride Penetration

- Reduced chloride penetration by 94%

AASHTO T-260 Chloride Evacuation

- Evacuated over 50% of imbedded chlorides

ASTM 666 Freeze/Thaw 300 Cycles

- No cracking, spalling or powdering

ASTM 672 Freeze/Thaw

- Passed Illinois requirements

ASTM C-42 Compressive & Flexure

- Greater than 25% increase in both compressive and flexure strength

ASTM C-856 Carbonation Test

- Zero carbonation penetration

Approved by PennDOT in 1995

Approved by IllinoisDOT in 2019