

## > DRY COAT

CARBOSIL DRY PLAST is a Technical restoration plaster designed to repair masonry suffering from severe moisture and salt contamination.

### Description

CARBOSIL DRY COAT is a ready-to-use, water-borne silicate paint designed for both interior and exterior mineral surfaces. Formulated with a silicifiable potassium waterglass binder, it does not merely form a film on the surface; instead, it reacts chemically with mineral substrates to produce a uniform, inseparable, and highly durable bond.

### Fields of application

- Applied after the post-installation of DRY SEAL against rising damp.
- Damp walls and rising damp areas
- Basement and foundation walls
- Salt-affected masonry
- Lime/cement plaster, concrete, bricks, natural stone
- As a protective coat over restoration plaster systems

### Features and Benefits

- High water vapour permeability (breathable system)
- allows moisture to escape easily without blistering.
- Deep mineral bonding
- Excellent adhesion on lime, cement, and masonry surfaces
- Non-film forming – does not peel or blister
- Resistant to UV, weathering, and alkalinity
- Low VOC / environmentally friendly
- Anti-fungal and anti-algae due to high pH
- Suitable for internal and external applications
- Extends life of DryPlast
- Maintains natural moisture balance of walls
- Ideal for heritage and renovation projects
- Provides long-term breathable protection
- improves insulation properties of the wall

### Technical Data

Colour	<b>Base White</b>
Finish / Appearance	Full Matt
Density / Specific Gravity	Approximately 1.4 g/ml
Recoating Interval	Minimum 4 to 5 hours up to 24 hours (
Wet Film Thickness (WFT)	100 to 150 microns per coat
Dry Film Thickness (DFT)	50 to 70 microns per coat.
Recommended Total DFT	100 to 120 microns (can be achieved in 2 coats
Water Vapor Permeability (sd-value)	High (breathable, sd < 0.2 m typical)

### Application Procedure

#### 1. Surface Preparation:

- Substrates must be solid, clean, dry, and free of dirt, grease, and all adhesion-inhibiting contaminants.
- Completely remove any flaking materials, old latex, dispersion, or synthetic resin paints, as silicate paint can only bond with mineral surfaces or old, well-adhering silicate/lime coatings.
- New concrete must cure for at least 28 days, and new plaster should harden for a minimum of 10 days to 6-8 weeks depending on the material before painting.
- Repair hairline cracks or large holes with an appropriate mineral filler or sand/cement mix and allow it to dry thoroughly.

#### 2. Priming:

- Strongly absorbent, porous, or crumbling substrates must be pre-treated with Multi Prime or a mixture of the Multi Prime and water (e.g., 1:1 ratio).
- Solid, non-porous concrete or firmly adhering previously painted mineral surfaces may not require a separate primer.

### *Application:*

- Stir the paint thoroughly before use to ensure a homogenous mixture.
- Apply using a professional brush, stippling brush, roller, or airless spray equipment.
- Typically, 1 to 2 topcoats are required depending on color opacity and surface structure. The first coat can be diluted with 5-10% water or Multi Prime if necessary for workability. The final topcoat is usually applied undiluted.

### **Consumption**

Approx. 4 – 6 m<sup>2</sup>/L per coat

### **Packaging**

3 ltr, 20 ltr buckets

### **Storage**

12 months in original, unopened package.

### **Shelf Life**

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight

### **Cleanup Information**

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### Cautions/Limitations

- Substrate: Remove all gypsum. Never clean with water or steam.
- Application: Protect from fast drying (sun, drafts). Avoid over-rubbing to prevent stress cracks.
- Finish: Use only vapor-permeable paints.
- Safety: Wear gloves and goggles

### Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection.

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from Carbosil Company. Please contact with technical service department for further information and support.

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