

Technical Data Sheet

StuccoDri™

Water Repellent and Permeability Reducing Liquid Admixture (PRA) for Cementitious Stucco

Proactive Solutions from ISE Logik
July 2025

STUCCODRI™



877-549-5159
www.iselogik.com

Physical Properties

- Appearance: Milky white liquid
- Odor: Mild, non-offensive
- Specific Gravity: 1.20 - 1.25
- pH: 11.0 -12.0
- VOC Content: 0.0

Packaging

- 64 Ounce (1.9 liter) Jug
- 5-gallon (18.9 liter) Pail
- 55 Gallon (208 liter) Drum
- Shelf Life: 12 months (unopened, stored in cool dry conditions, protected from freezing)



Description

StuccoDri™ is a high-performance admixture formulated to react with the hydroxide ions produced by the stucco cement hydration and curing process. StuccoDri™ blocks the capillaries and pores in the cured stucco shutting down liquid water movement, improving the water repellency, and significantly reducing the rate of moisture vapor permeability in the finished stucco. It integrates seamlessly into standard stucco mixes, providing enhanced moisture control without compromising bond strength, drying time, installation ease, or finish quality.

Typical Applications

- Commercial and Residential exterior surfaces
- Above-grade stucco systems
- New construction and remodeling projects

Key Benefits/Features

- Reduces moisture permeability
- Reduces shrinkage and cracking
- Enhances water repellency
- Enhances durability
- Can be used in Scratch, Brown and/or Finish Coats in a two or three coat stucco system
- Can be used in direct applied stucco applications to masonry block or pre-cast cement substrates
- Can be used in lath embedded stucco applications to traditional wood or metal framing with plywood, OSB or glass faced gypsum boards and vapor barrier(s) or drainage systems
- Does not alter stucco appearance or paintability
- Does not alter the bonding, installation or workability of stucco
- Easy integration into the mixing process with no additional labor costs – just add to the stucco mixer in pre-portioned liquid filled containers

Technical Performance Data

- Material dosed with StuccoDri meets or exceeds the performance requirements of ASTM C1328
- 0.0% length change after 28 Days (per ASTM C157)
- Compressive Strength | No adverse effect (per ASTM C109)
- Setting Time Impact | Negligible (per ASTM C266)
- Reduces moisture permeability by up to 120% and to a rating as low as 2 Perms in full thickness (7/8") stucco applications (per ASTM E96 Method A)

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Safety & Compliance

- Non-hazardous under normal use conditions
- Use appropriate PPE: gloves, eye protection
- VOC-compliant in all regions

Testing Standards & Certifications

- ASTM C109 Compressive Strength
- ASTM C157 Shrinkage
- ASTM C1328 Standard Specification for Plastic (Stucco) Cement
- ASTM C266 Setting Time
- ASTM C926 Application of Portland Cement-Based Plaster
- ASTM E96 Water Vapor Transmission

Limitations

- Not a waterproofing membrane
- Should not be used as a surface treatment
- Do not apply in standing water or to saturated substrates

Dosage Instructions

UNBLENDED CEMENTITIOUS STUCCO

with field mixed stucco sand and water:

- 22 Ounces (1.09 liters) per 80# bag of UNBLENDED cement stucco
- 64 Ounces (1.9 liters) per 3 (THREE) 80# bags of UNBLENDED cement stucco
- 128 Ounces (3.8 liters) per 6 (SIX) 80# bags of UNBLENDED cement stucco

PRE-BLENDED CEMENTITIOUS STUCCO

with pre-blended stucco sand and field added water:

- 8 Ounces (.24 liters) per 80# bag of PRE-BLENDED cement and stucco sand mix
- 22 Ounces (1.09 liters) per 3 (THREE) 80# PRE-BLENDED cement and stucco sand mix
- 43 Ounces (1.3 liters) per 6 (SIX) 80# PRE-BLENDED cement and stucco sand mix

Mixing Instructions

- Add directly to mix water before combining with dry materials
- Rapid mixer drum rotation for a minimum of 7 minutes with all ingredients is recommended
- Compatible with all other chemical admixtures- Do not exceed recommended dosage without technical consultation
- Compatible with pigments, fibers, and other admixtures—test in small batches before full use

Application Guidelines

- Apply and cure in accordance with standard stucco installation procedures per ASTM C926 and all relevant building codes
- Suitable for hand applied trowel, rod, slicker or spray application
- Evenly dampen high suction bases, such as masonry block, with clean water prior to the application of plaster
- Ideal ambient application temperature: 40–90°F (4–32°C)
- Protect freshly applied material from rapid drying or freezing

Storage & Handling

- Store in tightly sealed containers in a dry, shaded location
- Do not allow to freeze
- Mix or shake before use if settling occurs
- Keep out of reach of children

Warranty & Technical Support

ISE Logik warrants StuccoDri™ Product to be free from manufacturing defects and will be consistent with ISE Logik's normal quality and manufacturing specifications. ISE Logik agrees to replace with normal quality, or at its option, refund the purchase price of any material sold that is either proven defective or fails to be consistent with ISE Logik normal manufacturing specifications, provided the material has been stored and applied in accordance with the Manufacturer's written instructions. The Manufacturer shall not be liable for any direct, indirect or consequential cost, loss or damage, damage to property or loss of profits. The warranty is void if the StuccoDri™ product is improperly stored, is allowed to freeze, is improperly utilized, and expires within five (5) years of the project's substantial completion.

For application-specific guidance, testing data, or project consultation, contact our Technical Services team at: support@stuccodri.com