



DecoBrick Finish Specification

Architectural Brick Aesthetic for Use on Vertical Walls

DecoBrick Stencil System Description

The DecoBrick Stencil System is a high performance, designer and contractor focused solution designed to create consistent, realistic brick patterns within EIFS and stucco applications. The system provides reliable pattern uniformity, clean mortar joints, and efficient installation across projects of any size.

System Overview

This system uses precision cut plastic stencils available in both .023 inch and .060 inch thicknesses, allowing installers to select the ideal rigidity for their application.

Each stencil sheet is engineered to maintain pattern accuracy, mortar joint depth, and alignment across large wall areas. Patterns include traditional running bond, standard brick, tumbled brick, Old Mill brick, Norman brick, and multiple stone or slate options. Sizes range from 7.5 x 3.375 in. running bond units to 11.625 x 2.25 in. Norman brick, with mortar joints typically at 3/8 in. or 1/2 in. depending on the selected pattern.

Material Characteristics

- Stencil Thickness Options: .023 or .060
- Material Type: Plastic, moisture stable
- Pattern Accuracy: Factory cut for consistent brick width, height, and mortar joint spacing
- Durability: Resistant to tearing, stretching, and moisture exposure during EIFS or stucco application

MANUFACTURER'S SPECIFICATION

CSI MASTER FORMAT SECTION 09 96 00

DECOPLAST INSULATED BRICK FINISH SYSTEM

PART I - GENERAL

1.01 Scope

A. Provide all labor, materials, and equipment necessary to apply the DecoBrick Finish over vertical walls of exterior insulation and finish systems (EIFS), exterior concrete, masonry, stucco, interior drywall, or plaster surfaces.

1.02 Related Sections

- A. Concrete 03 00 00
- B. Unit Masonry 04 20 00
- C. Exterior Insulation and Finish Systems 07 24 00
- D. Joint Protection 07 90 00

1.03 References

- A. ASTM E 96 - Tests for Water Vapor Transmission of Materials
- B. ASTM C 297 Tensile Bond
- C. ASTM D 968 - Test Method for Abrasion Resistance of Organic Coatings by the Falling Abrasive Tester
- D. ASTM G 23 - Recommended Practice for Operating Light and Water Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-Metallic Materials
- E. ASTM E 84 - Test Method for Surface Burning Characteristics of Building Materials

1.04 Description

A. DecoBrick Finish is for use on vertical wall surfaces and consists of a template, Ispica Finish for mortar color, and a 100% acrylic-based finish. Many template designs are available that simulate popular brick and stone patterns. See DecoBrick Data Sheet. The brick finish can be applied in a variety of textured effects. It can also be shaded to create a wide range of colors and color highlights that simulate the appearance of aged or weathered brick and stone.

1.05 Submittals

A. Samples

1. The contractor shall make and submit two (2) 2 ft x 4 ft (.61 m x 1.2 m) samples of the proposed finish to the architect and/or owner for approval.

B. Mock-Up

1. A minimum 8 ft x 8 ft (2.4 m x 2.4 m) mock-up wall shall be coated by the applicator/contractor with the DecoBrick Finish materials to establish a standard of acceptance by the owner, architect, or project manager.

C. Manufacturer's Information

1. Submit manufacturer's product information and specifications.

1.06 Quality Assurance

A. Qualifications

1. Manufacturer shall be Greenmaker Industries.
2. The applicator/contractor shall be a Decoplast contractor and shall possess a current trained contractor certificate.

B. Substrates

1. Application of DecoBrick Finish shall be to vertical walls of the following substrates when prepared in accordance with this specification.
 - a. Exterior uses:
 - 1) Decoplast Exterior Insulation and Finish Systems.
 - 2) Sound, clean, concrete, masonry, or stucco.
 - b. Interior uses:
 - 1) Sound, clean, drywall, plaster, concrete, or masonry
2. The applicator/contractor shall verify that the proposed substrate is acceptable prior to application of the materials.

C. Performance Requirements

1. Water Vapor Transmission (ASTM E 96) – Vapor Permeable
2. Tensile Bond (ASTM C 297) – 15 psi min.
3. Abrasion Resistance (ASTM D 968) – 500 liters; no deleterious effects.
4. Accelerated Weathering (ASTM G 23) – 2000-hour exposure; no deleterious effects.
5. Surface Burning (ASTM E 84) – Flame Spread Index less than 25.
6. Salt Spray Exposure (ASTM B 117) – 300 hours; no deleterious effects.

1.07 Delivery, Storage and Handling

- A. All materials shall be delivered to the job site in the original, unopened packages with labels intact. Upon arrival, materials shall be inspected for physical damage or freezing. Questionable materials shall not be used.
- B. Minimum storage temperature shall be 40 °F (4 °C). Maximum storage temperature shall be 100 °F (38 °C). All materials shall be stored in a cool, dry location, out of direct sunlight and protected from weather and other damage.

NOTE: Exposure to temperatures over 90 °F (32 °C) may result in increased viscosity and skinning and shall be inspected prior to use.

1.08 Job Conditions

- A. Existing Conditions: The applicator shall have access to electric power, clean potable water and a clean work area at the location where the DecoBrick Finish materials are to be applied.
- B. Environmental Conditions:
 1. The ambient air and surface temperature for application of DecoBrick Finish materials shall be between 55 °F (13 °C) and 100 °F (38 °C) and shall remain so for at least 24 hours or until dry. Note: The preferred wall surface temperature range for application of DecoBrick Finish materials is between 60 °F (16 °C) and 90 °F (32 °C). Jobsite exposure to temperatures over 90 °F (32 °C) shall be minimized and may result in increased viscosity and skinning and shall be inspected prior to use.
- C. Protection
 1. Adjacent areas and materials shall be protected from damage, drops and spills.
 2. The DecoBrick Finish materials, including Decoplast Brick Templates, shall be protected by permanent or temporary means from weather and other damage, prior to, during and immediately after application. Care must be taken to prevent condensation and/or heat build up when using a tarp or plastic as protection.

D. Sequencing and Scheduling:

1. Application shall be coordinated with other construction trades.
2. Sufficient labor and equipment shall be employed to ensure a continuous operation.

1.09 Warranty

- A. Greenmaker Industries shall offer a written Limited Materials Warranty upon receipt of a properly executed warranty request form.

1.10 Design Responsibility

- A. It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for their intended use. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings etc. Greenmaker Industries has prepared guidelines in the form of specifications, application details and product data sheets to facilitate the design process only. Greenmaker Industries is not liable for any errors or omissions in design, detail, structural capability, attachment details, shop drawings, etc., whether based upon the information prepared by Greenmaker Industries or otherwise, or for any changes which purchasers, specifiers, designers, or their appointed representatives may make to published comments.

1.11 Maintenance

- A. Maintenance and repair procedures shall be followed in accordance with the Application Instructions for the specific Decoplast system utilized.
- B. All Decoplast products are designed to minimize maintenance. However, as with all building products, depending on location, some cleaning may be required. See Decoplast Maintenance and Cleaning Guidelines for proper procedures.
- C. Sealants and flashing should be inspected on a regular basis and repairs made as necessary.

PART II – PRODUCTS

2.01 General

- A. All products shall be supplied by Greenmaker Industries or its authorized distributors. Substitutions or additions of other materials will void the warranty.

2.02 Components

- A. Primers: (when specified)
1. Decoplast Acrylic Primer: A water-based pigmented acrylic primer.
 2. PrimerTex 1000: A pigmented water-based acrylic primer containing fine sand.
- B. Mortar:
1. Ispica Acrylic Finish: A fully formulated, water-based product available in our standard colors. Troweled smooth. Custom colors are available upon request.
- C. Brick Templates: Available in a wide variety of patterns. Custom templates are available upon request.
- D. Decoplast Insulated Brick Finish: A specially formulated 100% acrylic-based finish with Dirt Pick-up Resistant (DPR) technology.
- E. Decoglaze: A 100% acrylic exterior grade glaze that produces aesthetics with varied degrees of molting and coloration.

2.03 Materials

- A. Water: Shall be clean and potable.

2.04 Mixing

- A. Materials shall be mixed with a clean Wind-lock B-M1 mixing blade or equivalent powered by a 12.7 mm (1/2 in) variable speed drill capable of producing 1000 RPM's.

2.05 Equipment

- A. Tools associated with the plastering trade.
1. Refer to the Decoplast Insulated Brick Finish Application Instructions, for a complete list of recommended tools.

PART III EXECUTION

3.01 Inspection

- A. Examination of Substrate
1. Ensure that the substrate is of a type listed in this specification.

3.02 Substrate Preparation

A. General

1. Substrates shall be prepared in accordance with DecoBrick Finish Application Instructions, and as follows:

B. Decoplast Exterior Insulation and Finish Systems

1. The reinforcing mesh shall be completely embedded in the EIFS base coat.
2. The base coat shall be fully dried (a minimum of 24 hours, or longer, depending on weather conditions).
3. The base coat shall be free of any imperfections prior to applying the Ispica Finish used as the background mortar and the Brick Templates. The Ispica Finish coat is only applied as a thin, even coat and is not intended to level non-planar substrate surfaces.
4. All walls shall be free of surface contaminants such as dust, dirt, efflorescence, etc., which may impair the adhesion of the finish.

C. Concrete, Masonry, Stucco

1. Concrete walls shall have cured a minimum of 28 days prior to application. Stucco walls shall cure a minimum of 28 days prior to application or primed with Decoplast PrimerTex 1000. See PrimerTex 1000 Data sheet for more information.
2. All walls shall be free of surface contaminants, such as dust, dirt, peeling paints, sealers, efflorescence, etc., which may impair the adhesion.
3. All rough surfaces shall be skimmed with the Decoplast base coat mixture to provide a surface that is sufficiently planar and smooth to allow 100% contact of the brick Templates.

D. Interior Surfaces

1. Drywall shall be installed and prepared in conformance with the minimum requirements set forth in ASTM C 840 Standard Specification for Application and Finishing of Gypsum Board and applicable local building codes. Drywall shall have joints taped and fasteners spotted with joint compound to conform with the requirements of a Level-4 Finish, as described in ASTM C 840, Section X8 Levels of Finish. Decoplast Acrylic Primer or Decoplast PrimerTex 1000 Primer with sand may be used to equalize absorption differences between the paper facing and joint compound.
2. Interior plaster shall be finished smooth. Prime with Decoplast Acrylic Primer or Decoplast PrimerTex 1000. All sanding dust shall be removed prior to applying the Ispica mortar coat.
3. All concrete or masonry surfaces must be skimmed with Decoplast Basecoat to provide a smooth, flat, level base. Sealed or painted interior concrete or masonry must be cleaned to remove any surface contaminants such as dust, chalk, dirt, waxes, efflorescence, etc., which may impair the adhesion of the material. Glossy surfaces must be dulled prior to application. NCB will not adhere to concrete or masonry coated with most types of form release agents, water repellents or curing compounds. These materials must be removed and the surface coated with Dryvit Genesis or Genesis DM prior to the grout coat being applied.

3.03 Application

A. General

1. DecoBrick Finish materials shall be applied in accordance with current DecoBrick Finish Application Instructions.

B. Mortar Background

1. Ispica Finish

- a. Mix the Ispica Finish with a clean Wind-lock B-M1 mixing blade or equivalent.
- b. Apply the finish with a stainless steel trowel completely covering the underlying substrate.
- c. Allow the finish to dry a minimum of 24 hours prior to adhering the brick templates.

C. Brick Template Application

1. Refer to DecoBrick Finish Application Instructions.

D. Decoplast Insulated Brick Finish

1. Mix the DecoBrick Finish material with a clean Wind-lock B-M1 mixing blade or equivalent (use a contrasting color from grout).
2. Apply the DecoBrick Finish with a stainless steel trowel using the template as a screed.
3. Allow the DecoBrick Finish to completely dry prior to shading, if applicable, and template removal.

E. Decoglaze (optional shading procedure.)

1. Refer to DecoBrick Finish Application Instructions or Decoglaze Data Sheet.

3.04 Field Quality Control

A. The Contractor shall be responsible for the proper application of the Decoplast materials.

B. Greenmaker Industries assumes no responsibility for on-site inspections.

3.05 Cleaning

- A. All excess DecoBrick Finish materials shall be removed from the job site by the contractor in accordance with contract provisions.
- B. All surrounding areas, where the DecoBrick Finish materials have been applied, shall be left free of debris and foreign substances resulting from the contractor's work.

3.06 Protection

- A. The DecoBrick Finish materials shall be protected from weather and other damage until permanent protection in the form of flashings, sealants, etc. are installed.
- B. The DecoBrick Finish materials, including brick templates, shall be protected by permanent or temporary means from weather and other damage, prior to, during and immediately after application. Care must be taken to prevent condensation and/or heat buildup when using a tarp or plastic as protection.

Disclaimer

Information contained in this specification conforms to standard detail and product recommendations for the installation of the DecoBrick Finish products as of the date of publication of this document and is presented in good faith. Greenmaker Industries assumes no liability, expressed or implied, as to the architecture, engineering, or workmanship of any project. To ensure that you are using the latest, most complete information, contact Greenmaker Industries, at:

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West Hartford, CT 06110
860.761.2831

Contractor Certificate indicates certain employees of the company have been instructed in the proper application of Decoplast systems and products and have received copies of Decoplast technical datasheets, application instructions and specifications. Each contractor is an independent company experienced in the plastering trade and bears responsibility for its own workmanship. Greenmaker Industries assumes no liability for the workmanship of a contractor.

END OF SECTION

Disclaimer: This guide specification is intended for use by a qualified designer. The guide specification is not intended to be used verbatim without appropriate modifications for the specific use intended. The guide specification must be integrated into and coordinated with the procedures of each design firm, and the requirements of a specific project. For additional assistance, contact Decoplast Architectural Sales or Technical Support (860.761.2830)

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