



# TECHNICAL DATA SHEET

**FERROS™ FINISH**  
**FERROS™ Primer 1200**  
Exterior and Interior  
Decorative Finish and Primer  
DS884

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## PRODUCT DESCRIPTION

Ferros finish provides a modern and elegant look for either interior or exterior applications. The final appearance replicates the well-known effect of rusting metal or steel with distinct oxidations. In addition to its unique appearance, Ferros finish is water-based and has hydrophobic qualities that repel liquids and contaminants. Ferros finish forms a breathable film having excellent resistance to abrasion and long term weathering.



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## FEATURES & BENEFITS

### FEATURE

- Hydrophobic chemistry
- Available in 4 colors and 2 textures

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## PROPERTIES

### Approved Substrates:

**Interior:** Ferros finish may be applied over most common interior building materials including properly prepared and primed gypsum wallboard, cement board, plaster, concrete and masonry. Surface quality of the substrates before application should be equal to a Level 4 drywall finish or better.

**Exterior:** Ferros finish can be applied over properly prepared and primed exterior cement plaster, concrete, metal, masonry and a Dryvit base coat.

**Testing Information:** For individual test data on this product's properties, refer to the chart included within this document.

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## SURFACE PREPARATION

Surfaces to receive Ferros finish shall be clean, dry, and smooth, equivalent to Level 4 drywall.

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## APPLICATION

**General:** Simply stir by hand and start applying per the instructions and application video on our website. To create the colors displayed in the catalog, apply by either trowel or brush as detailed in the application video. Use of Ferros Primer 1200 series is required to duplicate the catalog samples and achieve product performance.

### Ferros Primer 1200 Application:

- Dilution: 10 – 15% with water
- Application Temperature: 40 - 90 °F (4 - 32 °C)
- Shelf Life: 24 months in unopened and properly stored containers.
- Overpainting: 4 - 6 hours
- Method of Primer Application: Roller, brush or spray. Apply in 1 or 2 coats as needed to achieve 100% uniform coverage of substrate.

### Ferros Finish Application:

Ferros has two different finish effects, **troweled** and **dripping**. Select your desired finish option effect before you begin application of the finish. Hand stir the finish before using.

- Dilution: do not dilute.
- Color: rusted metallic
- Temperature: 50 - 80 °F (10 - 27 °C).
- Shelf Life: 12 months in unopened, properly stored containers.
- Number of Coats: 1 or 2, depending upon desired appearance and performance.
- Overcoating: 3 - 4 hours
- Method of Application: Brush or trowel. Apply in 1 or 2 coats as needed. **DO NOT** apply to hot surfaces or in direct sunlight, as it is necessary to keep the finish open to manipulate the effect. Protect applied finish for 24 hours from water (rain or fog) and from touch.

**Troweled Effect:** Using a stainless-steel trowel, apply one coat of Ferros finish to fully cover the surface, applying strokes in all directions to leave a layer of finish approximately 8 - 10 mils thick.

**Coverage:** 1.1 qt (1 L) of Ferros finish for approximately 21 - 31 ft<sup>2</sup> (2 - 3 m<sup>2</sup>), 1 coat on smooth surfaces.

**Dripping Effect:** With the narrow side of a 5 in (25 mm) block brush, apply one coat of Ferros finish from top to bottom and vice-versa, leaving jagged streaks 0.04 - 0.4 in (1 - 20 mm) wide and 0.04 - 0.08 in (1 - 2 mm) thick. See photo for the proper type of block brush. After 15 - 20 minutes at 70 °F (20 °C), apply a second coat using a stainless-steel trowel and spread the finish vertically from top to bottom and vice versa, leaving a layer of paint approximately 4 - 5 mils thick. Smooth the surface vertically with a dry trowel while taking care not to remove Ferros material. It is important to apply the product wet-on-wet and avoid letting it dry, especially along the joints.

**Coverage:** 1.1 qt (1 L) approximately 15 - 22 ft<sup>2</sup> (1.4 - 2 m<sup>2</sup>), 2 coats on smooth surfaces.

### VOC CONTENT

|               |        |
|---------------|--------|
| Primer 1200   | 27 g/l |
| Ferros finish | 10 g/l |

### FERROS FINISH TESTING

| TEST                     | TEST METHOD          | RESULTS  |
|--------------------------|----------------------|--|
| Accelerated Weathering   | ASTM G154            | 2000 hr - No deleterious results                 |
| Water Vapor Transmission | ASTM E96 Procedure B | 19.8 Perms                                       |
| Tensile Bond Strength    | UNI EN 1542:2000     | 194 psi (1.34 N/mm <sup>2</sup> )                |
| Porosity                 | UNI EN 1062-3:2008   | <.018 psf / h1/2(<0.09 Kg/m <sup>2</sup> * h1/2) |
| Fungal Resistance        | UNI EN 15457:2014    | 21 days - No growth                              |
| Algae Resistance         | UNI EN 15458:1014    | 28 days - No growth                              |

### COVERAGE AND PACKAGING

Ferros finish is available in 1.1 qt and 5.3 qt (1 L and 5 L) pails. One 5.3 qt (5 L) pail of Ferros finish covers approximately 130 ft<sup>2</sup> (12 m<sup>2</sup>) of finished wall. Ferros Primer 1200 is available in a 1.1 qt (1 L) pail and covers approximately 99 ft<sup>2</sup> (9.2 m<sup>2</sup>). Coverage will vary according to the smoothness of the substrate, surface absorption and application method.

### DESIGN OPTIONS

Available in 4 color variations:

| COLORS | FERROS PRIMER 1200 |
|--------|--------------------|
| 100RIF | White Primer       |
| 101RIF | Gray Primer        |
| 102RIF | Gray Primer        |
| 105RIF | Gray Primer        |

Available in 2 effects:

**Troweled:** Using a stainless-steel trowel, the material is spread and smoothed across the surface.

**Dripping:** This effect is achieved by dripping the material in vertical motions using a brush or block brush stroking in vertical lines.

Ferros materials are fully pigmented and ready to apply.

Refer to the Ferros application video at the link below for complete application instructions.

<http://www.youtube.com/embed/4f274nyReM>

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#### DELIVERY TIME

Stock item ready to ship.

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#### CLEAN UP

Clean brushes, rollers, tool, and equipment with soap and warm water immediately after use. Do not reuse containers and properly dispose of empty containers.

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#### HANDLING & STORAGE

Close all containers tightly when not in use. Store in a cool dry place away from direct sunlight. Protect from freezing. **Protect from heat over 100 °F (38 °C).** Stack to maximum of three (3) pails high. Ferros finish and Ferros Primer 1200 has a one (1) year shelf life in unopened, properly stored containers

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#### DISPOSAL

Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

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