



## **J and J Coatings - Parging Experts**

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### **SECTION 09 24 23 - PARGING REPAIR**

#### **PART 1 - GENERAL**

##### **1.1 SUMMARY**

A. Section Includes: Repair, restoration, and recoating of existing parging on vertical and horizontal concrete surfaces to ensure visual consistency.

##### **1.2 RELATED SECTIONS**

A. Section 09 24 00 - Portland Cement Plastering (Stucco)

A. Section 03 30 00 - Cast-in-Place Concrete

B. Section 04 20 00 - Unit Masonry

##### **1.3 REFERENCES**

A. ASTM C926 - Standard Specification for Application of Portland Cement-Based Plaster.

B. ASTM C897 - Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters.

C. ICRI Technical Guideline No. 310.2 - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair.

##### **1.4 SUBMITTALS**

A. Product Data: Manufacturer's technical data and instructions for parging mix and bonding agents.

B. Samples: Submit a minimum 12-inch by 12-inch sample demonstrating texture and color match.

C. Warranty documentation provided per manufacturer's standard.

##### **1.5 QUALITY ASSURANCE**

A. Installer Qualifications: Installer experienced in cementitious parging repair, minimum three years.

B. Comply with applicable building codes, ASTM standards, ICRI guidelines, and manufacturer's written instructions.

##### **1.6 DELIVERY, STORAGE, AND HANDLING**

A. Deliver products in manufacturer's original sealed packaging clearly labeled.

B. Store materials off the ground, protected from moisture and freezing conditions.

## 1.7 DEFINITIONS

- A. Alkali-resistant fiberglass mesh: Fiberglass reinforcement specifically manufactured to withstand the alkaline conditions of cement-based applications.
- B. Bonding agent: A product designed to enhance adhesion between new parging and existing substrates.
- C. Surface saturation: Excessive wetness on the substrate surface which prevents proper adhesion of the parging.

## 1.8 ENVIRONMENTAL AND SAFETY GUIDELINES

- A. Comply with all applicable local, provincial, and national environmental and safety regulations.
- B. Provide adequate ventilation and protective equipment during mixing and application.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Parging Mix: Pre-blended Portland cement-based parging mix, conforming to ASTM C926, suitable for application to concrete substrates.
- B. Bonding Agent: High-quality acrylic-based or polymer-modified cementitious bonding agent approved for use with parging mix. Recommended products include Fabweld and Daraweld C, or approved equivalents.
- C. Reinforcing Mesh: Alkali-resistant fiberglass mesh specifically designed for embedding in cementitious materials.
- D. Water: Clean, potable, and free of contaminants.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify surfaces to be repaired are clean, sound, and free of materials affecting adhesion.
- B. Verify substrate surface profile meets the manufacturer's and ICRI Technical Guideline No. 310.2 requirements for proper bonding.
- C. Do not proceed until substrate conditions and surface profile are acceptable.
- D. Do not apply parging below 4°C (39°F) or above 32°C (90°F), or during anticipated precipitation.

### 3.2 PREPARATION

- A. Remove loose, damaged, or deteriorated parging material by mechanical means to achieve required surface profile.
- B. Create sufficient profile on substrate if needed, ensuring compliance with ICRI CSP 3 to CSP 5 recommendations.
- C. Clean exposed substrate thoroughly, removing dust, dirt, oils, efflorescence, or other contaminants.
- D. Apply alkali-resistant fiberglass mesh reinforcement over existing hairline cracks, embedding it into the initial parging coat, to minimize crack transfer into finished parging.
- E. Dampen wall surfaces to receive parging without causing surface saturation; apply bonding agent per manufacturer's instructions.

### 3.3 APPLICATION

- A. Mix parging material according to manufacturer's recommendations for consistency and application

methods.

- B. Apply parging uniformly to concrete substrates in thickness ranging from a minimum of 1/8 inch (3 mm) to a maximum of 1/2 inch (13 mm) per coat, or as recommended by manufacturer's guidelines.
- C. Optionally, recoat existing intact parging surfaces to ensure uniform appearance and texture.
- D. Match existing texture, finish, and appearance.

#### 3.4 CURING AND PROTECTION

- A. Cure parged areas according to manufacturer's specifications, typically for a minimum of 48 to 72 hours; protect from direct sun, wind, rain, and freezing conditions.
- B. Inspect completed parging for uniformity, adhesion, and absence of visible cracks or defects.

#### 3.5 CLEANING

- A. Remove excess parging materials from surfaces and adjacent areas immediately upon completion.
- B. Dispose of debris and leave site clean and orderly.
- C. Provide recommendations for routine maintenance and care to ensure longevity of the parging.

#### 3.6 WARRANTY

- A. Provide manufacturer's standard warranty covering materials.
- B. Provide 1-year warranty covering workmanship.

END OF SECTION