

ARDEX GUIDE SPECIFICATION

ARDEX WA™ High Performance, 100% Solids Epoxy Grout

Installation Material for Grouting Tile and Stone Applications

SECTION 09 30 00

ARDEX TILE & STONE INSTALLATION MATERIALS AND SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings, general provisions of the Contract, and other related construction documents such as Division 01 specifications apply to this Section

1.2 SUMMARY

- A. This Section includes installation of tile with a 100% solids epoxy grout.
 - 1. ARDEX WA™ High Performance, 100% Solids Epoxy Grout and Adhesive (Available in 35 colors)
- B. Complete ARDEX product and system installation details are provided in their corresponding Technical Brochure available at www.ardexamericas.com.
- C. Related Sections include the following:
 - 1. Division 09 Tile & Stone Sections

1.3 REFERENCES

- A. AMERICAN NATIONAL STANDARDS INSTITUTE (A.N.S.I.)
 - 1. A-118.3 Chemical Resistant, Water Cleanable Grouting Epoxy for Tile Installation
 - 2. A-108.6 Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and Grout Epoxy
- B. TILE COUNCIL OF AMERICA, INC.
 - 1. Handbook for Ceramic Tile Installation
- C. INTERNATIONAL STANDARDS ORGANISATION (ISO)
 - 1. ISO 13007 – Ceramic Tile-Grouts & Adhesives

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, a Revit file with applicable materials meeting the Revit Content Style Guide, and installation instructions for each material and product used. Include manufacturer's Safety Data Sheets.
- B. Qualification Data: For Installer

1.5 QUALITY ASSURANCE

- A. Installation of the ARDEX product must be completed by a factory-trained applicator, such as an ARDEX LevelMaster® Elite or Choice Contractor, using mixing equipment and tools approved by the manufacturer. Please contact ARDEX Engineered Cements (724) 203-5000 for a list of recommended installers.
- B. Manufacturer Experience: Provide products of this section by companies which have successfully specialized in production of this type of work for not less than 5 years. Contact Manufacturer Representative prior to installation.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in original packaging, labeled with product identification, manufacturer, batch number and shelf life.
- B. Store products in a dry area with temperature maintained between 50° and 85°F (10° and 29°C) and protect from direct sunlight.
- C. Handle products in accordance with manufacturer's printed recommendations.

1.7 PROJECT CONDITIONS

- A. Do not install material below 50°F (10°C) surface and air temperatures. These temperatures must also be maintained during and for 48 hours after the installation of products included in this section. Install quickly if substrate is warm and follow warm weather instructions available from the ARDEX Technical Service Department.

PART 2 - PRODUCTS

2.1 EPOXY GROUT

- A. Acceptable Products: ARDEX WA™; Manufactured by ARDEX Americas, Aliquippa, PA, USA, (724) 203-5000, www.ardexamericas.com

- B. Performance and Physical Properties: Meet or exceed the following values for material cured at 70° F+/-3°F (21° C+/-3°C) and 50% +/-5% relative humidity:

1. Working Time: 60 minutes
2. Pot Life: Approx. 40 minutes
3. Open to Light foot traffic: 12 hours
4. Full traffic loads: 2 days
5. Conforms to ISO 13007 RG RT2
6. Meets or Exceeds ANSI A 118.3

PART 3 – EXECUTION

3.1 PREPARATION

- A. Subfloors: Prepare substrate in accordance with manufacturer's instructions.

1. The existing tile must be set firmly. The tile joints must be clean and free of all setting materials, dust, moisture and foreign matter. Clean the surface to remove contaminants that may discolor the grout. Substrate and ambient temperatures must be a minimum of 50°F (10°C).

- B. Crack and Joint Preparation:

1. Moving Joints and Moving Cracks – Expansion joints must be provided over existing moving joints and cracks, and where substrate materials change composition or direction per ANSI A108 AN-3.7.
2. Dormant Cracks and Dormant Control Joints – Fill all dormant control joints and dormant cracks with ARDEX ARDIFIX™, as recommended by the manufacturer.

3.2 APPLICATION OF INSTALLATION MATERIALS

- A. Grouting Tile or Stone Installations

1. Installation should proceed in accordance with ANSI A108.6.
2. Comply with manufacturer's printed instructions for mixing of material, installation, and cure. For questions contact the ARDEX Technical Services Department at (724) 203-5000.

3.3 FIELD QUALITY CONTROL

- A. Where required, contact manufacturer for field sampling methods and procedures.

3.4 PROTECTION

- A. Protect the installation from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION