



### Pre-Leveling with ARDEX ECRS Mortars

We are writing to clarify our recommendations for using ARDEX TRM, ARDEX FDM, ARDEX FDX or ARDEX FP (hereafter referred to as "ECRS mortar") beneath ARDEX underlayments, toppings, dressings or sealers.

#### **Step 1: Priming or Moisture Mitigation**

1. Test the concrete for moisture in accordance with ASTM F2170.
2. Mechanically prepare the concrete to a minimum CSP 3.
3. If moisture exceeds the tolerances of the intended flooring or sealer, install an ARDEX MC Moisture Control System with a sand broadcast in accordance with the appropriate technical data sheet. ARDEX MC applications without a sand broadcast are not permitted for this application.
4. If moisture mitigation is not required, prime the concrete with ARDEX EP 2000 with a sand broadcast in accordance with the technical data sheet. The SSD priming method is not permitted for this application.

#### **Step 2: Installing and Curing**

1. Install the selected ECRS mortar in accordance with the technical data sheet. For the subsequent installation of an ARDEX self-leveling topping, the selected ECRS mortar either must be finished to a CSP 3 or mechanically prepared to a CSP 3 once it has cured.
2. Curing compounds are not permitted for this application. Allow the selected ECRS mortar to cure as follows:
  - a. ARDEX TRM: Allow to cure a minimum 6 hours; ensure the heat of hydration has dissipated.
  - b. ARDEX FDM / FDX / FP: Allow to cure a minimum of 48 hours; mat test in accordance with ASTM D4263 until dryness is confirmed.

#### **Step 3: Installing the ARDEX Underlayment, Topping, Dressing or Sealer**

Follow the instructions in the appropriate technical data sheet for priming, mixing, installing and curing when the selected product is installed over absorbent concrete.

#### **Note: Trench Work / Full-Depth Repairs**

If the ECRS mortar is being used in a full-depth repair, such as a trench fill, please note the following:

1. The selected ECRS mortar either must be finished to a CSP 3 or mechanically prepared to a CSP 3 once it has cured.
2. Prior to installing the selected ARDEX underlayment, topping or sealer, an ARDEX MC Moisture Control System must be applied over the infilled trench as well as over the concrete in a 6-12" border around the trench. Follow the installation instructions in the appropriate ARDEX MC technical data sheet.

Should you have any questions on this information, please contact the ARDEX Technical Service Department.

Tivona Schneider  
Technical Communications Supervisor