MOISTURE MANAGEMENT:
Which Product Do I use?

ARDEX PU 30

Best fit: Flooring-specific moisture management.

Key reasons to select:

- PU 30 is suitable for direct stick application with ARDEX MS adhesive.
- Internal green-slab technical guidance includes PU 30 as one of the moisture-suppression systems for green concrete.

Example: A flooring contractor needs a dedicated moisture-management solution as part of the floor-preparation build-up.

Think: Flooring-specific moisture solution.

ARDEX P 38

Best fit: Green slabs and residual construction moisture where a full moisture barrier is not required.

Key reasons to select:

- One-component green slab sealer
- Internal concrete substrates
- Up to 95% RH on non-heated concrete
- Up to 85% RH on heated concrete
- ARDEX levelling compounds are applied directly over the coated substrate without sand broadcasting or priming

Critical distinction: P 38 is not a waterproofing membrane or moisture barrier and is not suitable for substrates subject to rising damp. 2 moisture tests should be undertaken to ensure ARDEX content is decreasing.

Example: A new internal commercial slab is still releasing construction moisture but has an intact DPM. P 38 manages residual capillary moisture before levelling.

ARDEX WPM 300

Best fit: Moisture barrier or waterproofing situations where broader moisture protection is required, including horizontal and vertical applications.

Key reasons to select:

- Two-component water-based epoxy moisture barrier and waterproofing membrane
- Applies to damp or green concrete
- Resists negative hydrostatic pressure
- Helps prevent rising damp and efflorescence
- Used beneath levelling compounds, adhesives, floor coverings and tiles
- Suitable for applications beyond a straightforward horizontal flooring application, including below-grade applications such as basements and retaining walls

Example: Moisture protection needs to continue from the floor onto a wall, or the project involves damp concrete, rising moisture or a below-grade substrate.

Think: Broader moisture barrier and waterproofing, including vertical applications.

ARDEX EG 800 F

Best fit: High-performance moisture barrier where substrate conditions are demanding.
Key reasons to select:

- Up to 100% RH
- Up to pH 14
- 300 µm DFT as a moisture barrier (applied as a single coat)
- Multi-purpose epoxy system with additional mortar, screed and priming applications
- Follow the specified bonding route before an ARDEX levelling compound

Example: A commercial floor measures 98% RH and has high alkalinity. The floor needs levelling before installation of the final flooring system.
Think: Extreme RH or pH, high-performance epoxy.

ARDEX MC RAPID

Best fit: Where speed is the main priority.
Positioning:

- Premium high-performance rapid moisture barrier solution
- One-coat rapid system
- Suitable for use in extreme pH environments
- Application of ARDEX levelling compounds after 4 hrs

Think: Rapid, one-coat moisture barrier.

QUICK MOISTURE SELECTION

- New internal slab + residual construction moisture → P 38
- Flooring-specific moisture-management system → PU 30
- Extreme RH / alkalinity, up to 100% RH and pH 14 → EG 800 F
- Moisture barrier / waterproofing requiring broader or vertical application → WPM 300
- Speed and one-coat application is the priority → MC Rapid

The key distinction:

- P 38 = Green slab sealer, not a full moisture barrier
- PU 30 = Flooring-focused moisture management
- EG 800 F = High-performance epoxy moisture barrier, up to 100% RH and pH 14
- WPM 300 = Moisture barrier + waterproofing with broader application scope, including horizontal and vertical applications
- MC Rapid = Premium rapid one-coat moisture barrier

For assistance, please contact your local ARDEX Account Manager.
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