

Hamad International Airport, Doha, Qatar

Project Name

Hamad International Airport, Doha, Qatar

Consultant

Bechtel Engineering

Architect

HOK Engineering

Contractors

Sky Oryx JV (Turkish TAV Construction and Japanese Taisei Corporation) - CP18 Main Terminal Building, Phase 1 & Phase 2

Butec - CP75 Terminal Operation Center & Qatar Airway Operation Control Center

Zublin International Qatar LLC - Package CP20 Duty-Free Warehouse Facilities

Gulf Contracting - NDIA Fuel System and NDIA Engineering Facilities

Featured Products

ARDEX A 35 Rapid Setting and Ultra Rapid Drying Cement for Floor Screeds

ARDEX A 46 Rapid Hardening, Rapid Drying, Slump-Free Mortar for External Repairs

ARDEX ARDITEX NA

ARDEX CD Concrete Dressing

ARDEX E 25 Resilient Emulsion

ARDEX FL Rapid Set, Flexible, Sanded Grout

ARDEX - FLEX FS Flexible Tile Grout

ARDEX K 15 Premium Self-Leveling Underlayment

ARDEX P 51 Primer

ARDEX R 3 E Moisture Tolerant Epoxy Primer

ARDEX WPC Flexible Rapid Setting and Drying Waterproof Protection System

ARDEX X 7 G PLUS Flexible Tile Adhesive

ARDEX X 77 MICROTEC® Fiber Reinforced Thin Set Mortar (white)



International Projects &
Specification Services

Challenge

- Multiple contractors and trades
- Internal and external installations
- Wet areas
- Various substrates
- Suspension slab created leveling issues over large areas
- Competitor's products specified



Situation

Qatar Airways links more than 100 international destinations across Africa, Central Asia, Europe, Far East, South Asia, Middle East, North America, South America and Oceania from its base in Doha, the capital of Qatar. A seven-year construction project that began in 2005 would involve a location approximately 36 square kilometers and require nearly 40,000 workers on a complex job site. At the New Doha International Airport, the passenger terminal alone is spread over an internal area of 600,000 m².

Solution

From substrate prep to waterproofing and tile installation, ARDEX was the solution for every challenge offering time savings, ease of application and onsite training from ARDEX professionals.

A slab out of tolerance was leveled with more than 4,500 tons of ARDEX K 15 covering 144,000m² at varied thicknesses from 5 to 40 mm. Using ARDEX K 15 for leveling instead of screed on the slab also provided levelness and flatness needed later for finished flooring and carpet. Jobsite coordination was flawless with up to 12 teams of 8 to 10 workers installing an average of 200 to 300 m² daily.

Nearly 30,000 units of ARDEX X 7 G Plus Flexible Tile Adhesive provided tremendous savings because its outstanding coverage is generally 20 percent greater than similar products. ARDEX CD was used to resurface concrete paths and roadways that were damaged during construction. ARDEX CD created a hard, durable and uniform finish in a fast and cost effective way. In total, more than one-quarter million units of 13 different ARDEX products are a permanent part of NDIA. The airport is scheduled to open in 2014 with a third and final phase scheduled for 2015.

ARDEX International Projects and
Specification Services Program

ARD 2029 (03/2014)



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INSTALLATION SUCCESS

For additional information, please contact ipss@ardexamericas.com