

The Ordrupgaard Museum

Charlottenlund, Denmark

INSTALLER:

- DBI Commercial Floors –Brønderslev, Denmark

ARCHITECTS:

- PLH Architects – Copenhagen, Denmark
- Zana Hadid Architects – Copenhagen, Denmark

PRODUCTS FEATURED:

- ARDEX EP 2000™ Substrate Preparation Epoxy Primer
- ARDEX K 15® Premium Self-leveling Underlayment

CHALLENGES:

- 1,150 m² (12,378 ft²) installation area
- Durable, raw, concrete floor
- Installation in galleries, a foyer, a café and an auditorium

PROBLEM:

To prepare for upcoming exhibits, The Ordrupgaard Museum decided to renovate to give the museum a more modern look. Zana Hadid and PLH Architects, were asked to collaborate on selecting new interior finishes for the museum.

Part of the new design required the removal of the old worn floor and replacement with a new concrete floor. The new concrete floor had to be chic but subtle to let the main focus remain on the art. The floor also needed to be durable to withstand the foot traffic and resist staining from food and beverages in the café area.

SOLUTION:

ARDEX suggested using ARDEX K 15® Premium Self-Leveling Underlayment. To prove that ARDEX K 15 would be up to the challenge, ARDEX Technicians installed a 30 m² (322 ft²) mockup section so the architects and client could see what the finished floor would look like.

The test area was first mechanically prepared to a layer of clean, solid concrete and primed with ARDEX EP 2000™ Substrate Preparation Epoxy Primer. ARDEX EP 2000 was used because it offers superior resistance to cracking when used with ARDEX K 15 and it can be used to fill small cracks in the existing concrete. Once the ARDEX EP 2000 was applied, a sand broadcast was utilized to further strengthen the bond between the primer and topping. ARDEX EP 2000 takes approximately 16 hours to cure, so there was a minimal delay before ARDEX K 15 could be poured.

ARDEX K 15 was suggested for this particular installation because it is easy to apply and it is designed for fast track applications. When mixed with water, ARDEX K 15 has a smooth fluid consistency that can be applied in a layer up to 35 mm. Once cured the ARDEX K 15 was treated with a soft soap application. The use of soft soap helps repel dirt and staining.

Impressed with the results of the test application and the ARDEX Technical Service Department, the architects and client decided to use this application throughout the museum. Once completed, ARDEX K 15 flowed through the museum providing an almost seamless design. On sloping floor areas, installers mixed ARDEX K 15 with less water. This prevented ARDEX K 15 from settling at the base of the slope and allowed the use of one product throughout the museum for a monolithic floor.



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