



Hamad International Airport

Qatar



Project

The challenge of installing one of the largest expanses of flooring in a single project – and one of the most complex – faced the hub where east meets west at Hamad International Airport in Doha, Qatar.

The airport is described as ‘the gateway to Qatar’ and the hub for its world-class airline Qatar Airways with the capacity to serve 8,700 passengers per hour and 30 million every year.

Specifiers wanted a flooring high in aesthetic and environmental credentials to meet all requirements at this important airport zone.

Substrate: Concrete.

Requirements: Flooring with extremely durable properties and high end aesthetic finish that meets environmental credentials.

Specifications: Seamless epoxy terrazzo flooring system that complies with the NTMA and LEED.

Area coated: 140,000 m².

Client: Hamad International Airport, Qatar.

System: Sherwin-Williams thin-set epoxy terrazzo 1100.

System

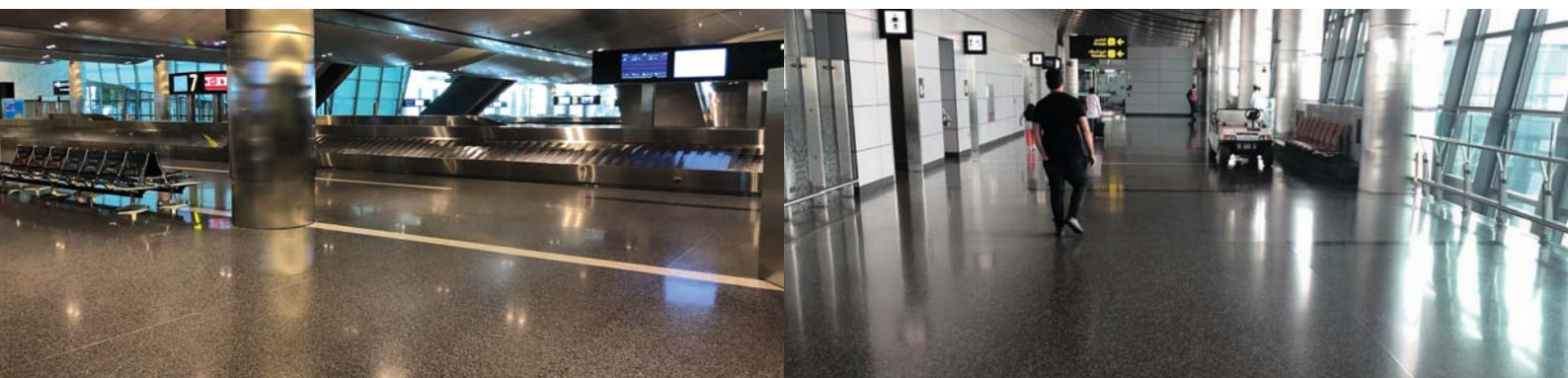
The flooring system chosen was Sherwin-Williams thin-set epoxy terrazzo 1100. Sherwin-Williams supplied 140,000 sq metres of pigmented epoxy resin – involving the shipping of pre-mixed marble aggregates and post consumer recycled glass from Italy to complete the design for the main floor areas consisting of three colours, primarily dark grey with pure black or white epoxy terrazzo.

The epoxy terrazzo was poured in situ as the 16,000 workers from various countries navigated their way around the 5,500 acre site and ground and polished the flooring to a high finish, bringing with it major environmental benefits. Thin set epoxy conforms to the EU's solvents and Volatile Organic Compounds Emissions Directive.

The installation process itself also meant there was very little waste – the terrazzo prepared for installation was measured accurately to allow as much or as little to be used in application.

High in aesthetic value, hard-wearing durability and unrivaled sustainability, the impressive Sherwin-Williams thin-set epoxy terrazzo 1100 flooring continues to shine ten years on at one of the main airport hubs of the world and will be used for many years to come

Terrazzo flooring is a composite – a mix of resin with aggregates which give the product such variety in its design. Intended to be a durable, hard-wearing and highly decorative flooring solution, the resin. With simple re-polishing or re-sealing using water-based products a typical terrazzo flooring can last up to in excess of 40 years. However, vinyl floor sheets would require replacing typically every 12 years or less.



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