

Anden Metro Station Barcelona, Spain

Surface material: Terrazzo

**Product: STAIN-PROOF™
Project Completed: 2008**



The Project

Barcelona, the capital and most populous city of Catalonia and the second largest city in Spain, has a complex metro network. Anden metro station, located in the heart of Barcelona's city center, is one of the busiest stations in Barcelona and is therefore subject to high levels of traffic and constant maintenance. A sealer was needed which would stand up to the wear and tear of traffic and maintenance long term, would not change the slip characteristics or colour of the paved surface.

Special Requirements

- 1) In order to guarantee the public safety, it was vital to treat the terrazzo surface with a sealer that would not change the slip resistance of the surface.
- 2) The speed of the application and lifespan of the sealer were vital in order to minimize current and future interference with pedestrian traffic.
- 3) Some extra requirements were: Graffiti protection, protection from salt efflorescence and efflorescence and water damage, as well as providing resistance to the strong alkaline liquids used for cleaning the metro station.



Dry-Treat Solution

Dry-Treat's STAIN-PROOF™ was the only sealer able to comply with Barcelona Metro Council's stringent quality and safety specifications.

STAIN-PROOF™ is proven in official independent testing not to affect the slip resistance of treated surfaces.

Application time and permanence were critical factors as the Council wanted to limit disturbances to traffic while the surface was being treated. STAIN-PROOF™ has an alcohol base, which makes it extremely quick to apply. Only 10 minutes is required between the 2 coats, and with good weather conditions, the surface can be walked on within a couple of hours, and can resist liquid after about 8 hours. STAIN-PROOF™ will, however, continue to impregnate deeper and cure inside the material for up to a month. The sealer's permanence comes from its unique chemistry – STAIN-PROOF™ bonds to the material by proper chemical reaction, actually becoming a permanent part of the material, without being seen or stopping the material from breathing. The permanence of the sealer is backed by a 15 year performance warranty when the sealer is applied by an Accredited Applicator.

STAIN-PROOF's exceptional depth of penetration, creates a really deep liquid repellent barrier which is able to protect against salt efflorescence, freeze-thaw damage and water damage. These types of longer-term damage can be even more serious and permanent than staining. The STAIN-PROOF™ treated surface is also able to be cleaned with strong alkaline cleaners, pressure hosing and machine scrubbers without affecting the seal or longevity of the treatment.