

WATERPROOFING RAYSTON SYSTEMS

Bridge decks waterproofing

Loyola metro Station , San Sebastián - Spain



BASIC INFORMATION

The station of Loyola in the municipality of San Sebastián is a metro station located in the district of Loyola, in the homonymous walk, at Urbia street, that belongs to the public company Euskal Trenbide Sarea, owned by the Basque Government. It serves the San Sebastian metro line of the operator Euskotren Trena, popularly known as the "Topo". The new station entered service on March 5, 2017.



ABOUT THE JOB

Main membrane: Impermax Polyurea H Flex



WORK STAGES

1. Support Preparation

Concrete was treated with a diamond grinding machine. Cracks on the surface were repaired and filled up with the single component PU mastic RAYSTON FLEX.

2. Primer

Primer was applied over a well dry, cured, clean (free from dust oils and silicones), smooth and cohesive concrete surface. The objective of the primer is to seal completely the porosity of the surface and to increase the adhesion of the whole system. Rayston Epoxy 100 primer (a solvent free, extender free, very low viscosity epoxy resin) was applied at about 0,45 kg/m². Quartz Sand was broadcasted over the non-cured primer.



3. Creation of the waterproofing membrane

Impermax Polyurea H Flex was sprayed onto the primer at a rate of 2kg/m².

SHORT DESCRIPTION:

Place: Loyola, San Sebastian - Spain

Surface: 450 m²

4. Protection finish layer

The TP Flex polyurethane resin (0.25 kg /m²), broadcast with quartz aggregate to saturation, was applied as a protective layer to the Impermax Polyurea H Flex waterproofing layer.



IMPERMAX POLYUREA H FLEX system holds an ETA certificate n° 16/149 following ETAG 033 norm, for the waterproofing of bridge decks

