

RAYSTON WATERPROOFING SYSTEMS

Impermax Polyurea System

Ciutat de València State, Valencia



BASIC INFORMATION

The stadium Ciutat de València was born in 1969. Due to the incessant flow of masses that football stadiums have to endure, it is essential that the maintenance of these be continuous. This year they have been forced to waterproof their stands. For that reason and following the example of other stages like the Sánchez-Pizjuan of Seville F.C, Polyurea Rayston was used. They had some sealing problems, the expansion joints and the work joints had to be repaired. As a solution, the Impermax Polyurea Plus system was applied.



ABOUT THE JOB

Base System: Impermax Polyurea Plus
Main coat: Polyurea Rayston
Top Coat: Colodur with Antislip additive

WORK STEPS

1. Support preparation

Due to the existence of leaks, a mortar was used to make slopes to ensure correct water channeling.



2. Primer

The next step is the application of the Rayston PRIM PU 100 primer. A 100% solid one-component primer. Two layers were applied; The first one with 150g/m² e and the second one with a 150-200g/m² e without any additions but with sand broadcast



SHORT DESCRIPTION:

Place: Ciutat de València stade, Valencia

Surface: 22.000m²

Top Coat: Colodur with antislip additive

3. Application of Polyurea

Once the two previous steps have been carried out, the Polyurea Rayston is applied using mechanical means of projection. The application is made in hot so the curing is accelerated. In addition, this system is extra curing fast. Polyurea Rayston consists of 100% Pure Polyurea. In the case of the Ciutat de València Stadium, the product was reinforced by 2.5 kg in the critical points, thus meeting the needs of the surface. .



4. Top coat

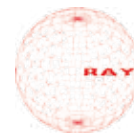
Finally, the entire surface is sealed by the application of aliphatic polyurethane membrane in two layers of 250g each. The last one with the Antislip additive that allows to create anti-slip finishes to avoid falls even with the wet surface.



Final result

For more information:

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RAYSTON SYSTEMS BY KRYPTON CHEMICAL:

All RAYSTON SYSTEMS are conceived for professional flooring and waterproofing applications and certified according to their intended uses by independent laboratories from several countries.

