



# SIKA AT WORK

## CRF – CLUBE DE REGATAS FLAMENGO, BRASIL

BUILDING TRUST



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## PROJECT DESCRIPTION

The Clube de Regatas do Flamengo (better known as Flamengo), is a Brazilian sports association based in the city of Rio de Janeiro. Founded at the Flamengo district, it has become one of the most successful and popular clubs in Brazilian sport.

Flamengo is the most popular football club in Brazil, with an estimated 39 million fans spread across all regions of Brazil. According to a survey conducted by the sports marketing agency Gerardo Molina Euramerica, Flamengo is, in absolute numbers, the football club with the largest number of followers worldwide.

The Headquarters of Gávea, is the main headquarters of the Clube de Regatas do Flamengo, where most of the athletes of the club train. Located in a prime location in the South Zone of Rio de Janeiro, at the feet of Christ the Redeemer, Flamengo's headquarters occupies an area of 73.000 m<sup>2</sup>.

The head office houses the offices of the board, trophy room, auditorium, meeting rooms and the entire administrative apparatus of the club. The Gávea Sports Complex has three gyms, four bars, a restaurant, seven tennis courts, a water park with five swimming pools and a large leisure area.

## PROJECT REQUIREMENTS

The grandstands of the Nautical Park of Sede da Gávea were completely deteriorated by the daily use and weather exposition. Sika had the challenge of recovering it structurally, covering it and protecting it against all deteriorating actions. The project owner demanded the best technologies at the best cost-benefit possible.



## SIKA SOLUTIONS

Analyzing all the information and needs of the project Sika decided to present a solution separated in to two approaches - Recovery and Protection of the structure.

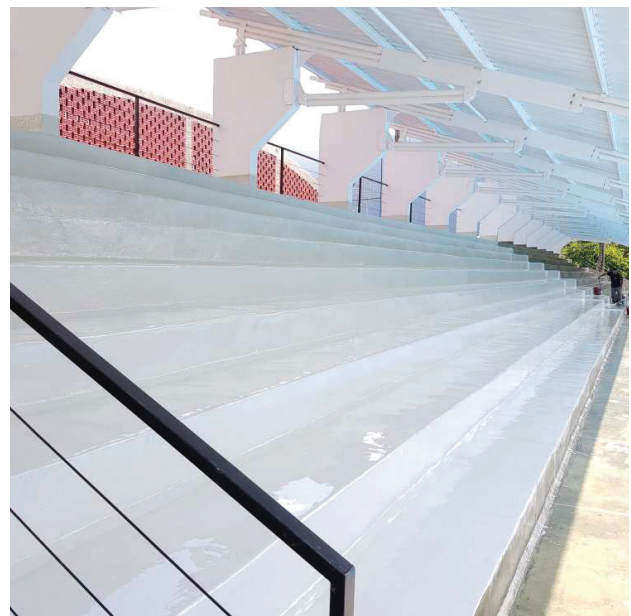
At the recovery process, Sika specified the **Sikaflex®-108 Armatec** for the protection of the reinforcement, **Sikadur®-32** as an adhesion primer, and **Sikagrout® TIX**, **Sika MonoTop®-622** and **Sikadur®-31** to recompose the structure. In total, approximately 240 m<sup>2</sup> were recovered before the application of the protection solution.

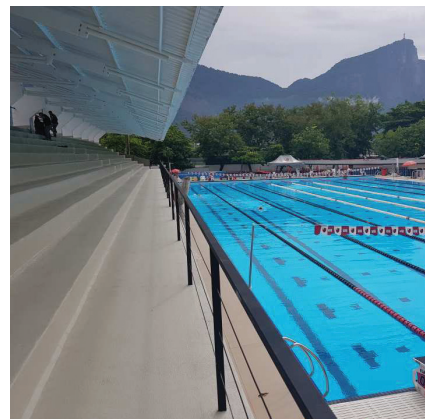
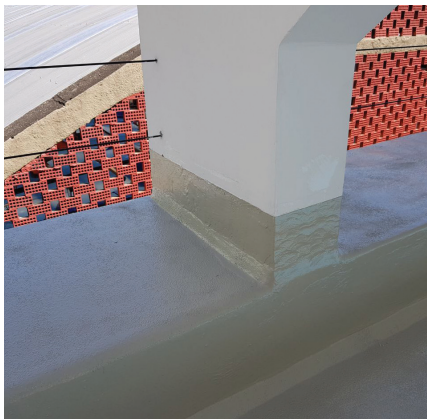
For the protection of the Joints, Sika specified the high-tech system **Sikadur® Combiflex® SG** and **Sikaflex® PRO 3**. This system allows a fast application and liberation of the area and it has an excellent resistance and durability in comparison with other systems.

For the protection of the 700 m<sup>2</sup> of bleachers, Sika recommended a Polyurethane based coating with high abrasion and UV resistance - **Sikafloor®-161 (primer)**, **Sikafloor®-326 BR (base coating)** and **Sikafloor®-359 N (top coating)**.

## SIKA PRODUCTS

- Sikaflex®- 108 Armatec
- Sika MonoTop®-622 BR
- Sikadur®-32 Gel
- Sikagrout® Tix
- Sikadur®-31
- Sikadur® Combiflex® SG 10M 150
- Sikaflex® PRO 3
- Sikafloor®-326 BR
- Sikafloor®-161
- Sikafloor®-359 N
- Sikadur®-515





## PROJECT PARTICIPANTS

**Owner:** CLUBE DE REGATAS FLAMENGO

**Contractor:** IMPERSERV, SÉRGIO DE OLIVEIRA

**SIKA TEAM:** MARCELO MING



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