

Reference Project Name: Monumental heart

CATEGORY: Line of adhesives and Sealants

Project Overview:

Monumental outdoor mural made with Venetian mosaic with a wide variety of colors. A project with high requirements in terms of durability and resistance to weather and its abrupt changes: rain, sun, wind, movement, etc.

Maapei specified high-end products to have a high life service:

- Installation of the Venetian mosaic with KERABOND TOTAL + ISOLASTIC adhesive (highly deformable, highly resistant to weathering system).
- Grouting with KERAPOXY 410, a high chemical resistance epoxy grout designed for sudden changes in temperature.
- Mapeflex MS 45/Mapeflex PU 40, high-performance elastic sealants for structures subject to movement and exposure to weather, were recommended for control joints.

Project Background

Jalisco has an inventory of more than 500 temples in the state. The oldest temples date from the 16th century and the most modern ones from the mid-20th century, and there are many different sizes and styles. The temples represent one of the fundamental parts of the constructions located in the historical centers of the populations.

There are different pilgrimage circuits in the State, and Mexican, and the Sanctuary of the Sacred Core (Santuario del Sagrado Corazón) is in the West circuit along with the temples located in: Cuquío, Yahualica de González Gallo, Teocaltiche, Villa Hidalgo.

The Sanctuary (Santuario del Sagrado Corazón) is located 5.0 kilometers (at North) from Mexicacán, which is the locality with the most inhabitants within the municipality.

This work was carried out with the aim of supporting religious tourism and pilgrimages to the Sanctuaries of the region.

The complete project includes such facilities a viewpoint, gardens, food stands, etc.

Project information

Period of construction: 2 meses

Year of MAPEI involvement:2022

MAPEI Coordinator: Lizeth Ivonne Ruiz Rodríguez

Project Owner: Asociación Civil Corazón Monumental

MAPEI Distributors: RA Construcción

Architect: Sergio Hernández Madera

General Contractor: Sergio Hernández Madera

Surface preparation contractor: Sergio Hernández Madera

Tile and stone installers: Alto diseño en Mosaico SA De CV

Floorcovering installers:

Project manager: Sergio Hernández Madera

Photographer: Sergio Zárate

Project size: 1,500 m2 valor \$450,000 MXN

MAPEI products used

- *Kerabond + Isolastic*
- *Mapeflex MS45*
- *Mapeflex PU40*
- *Kerapoxy 410*

MAPEI products at work on the jobsite:

After carrying out product samples to demonstrate their high performance and superiority to the competition, the person in charge of installing the mural decided on Mapei products:

- The application of Mapeflex MS45/PU40 was recommended as a sealant in the expansion joints and cracks that appear in the slab/wall since it is inclined.
- For the bonding of the Venetian mosaic and to withstand temperature changes, Kerabond + Isolastic was applied as it is a highly deformable system.
- For the grouting of the mural, Kerapoxy 410 was recommended to guarantee high durability.

Mapei provided product warranties.