MACCAFERRI

CASE HISTORY

*Rev: 1, Issue Data 28.01.2021*

# BE-CHARLEROI HOSPITAL
## CHARLEROI, WALLONIA, BELGIUM

Planar and horizontal drainage

**Problem**

Le 'Grand Hôpital de Charleroi' which has been formed by the merger of Charleroi hospitals Saint-Joseph, Sainte-Thérèse, IMTR, Notre Dame and Reine Fabiola wants to offer all their patients a completely new hospital.
Together with the public authorities, they have acquired in 2012 the site 'Viviers'. Since this site of 170000 m^2 is situated on the crossroads of the R3 and the RN90 it has perfect access for all kinds of mobility.
The importance of the site authorizes landscaping with respect for the environment and the surroundings. The hospital will be one of the biggest in Belgium (approx 900 beds). VK Architects & Engineers and Reservoir A designed the site ready for the future and thus were awarded the project.
The construction of the buildings is being executed by Jan De Nul/Franki.
During the construction of the garage building, a drainage layer had to be installed on top of the waterproof liner. On top of the drainage layer, a further 10 cm thick layer of concrete was planned as protection to trucks driving on its surface during the construction phase of the top layers.

**Solution**

The construction company firstly laid the MacDrain W 1051rolls as indicated by Maccaferri´s technicians to create a drainage layer. After the installation, the surface will be used as a parking lot for cars.
A total of 22.000 sqm of MacDrain in rolls of 2,15x100m and 4,3x100m was installed in only one week.

**Client:** Texion Geosynthetics NV
**Designer / Consultant:** VKRA Architects and Engineers
**Contractor:** Jan de Nul Group
**Products used (Qty.)**

| | |
|---|---|
| - MacDrain W | 22.000 sqm of MacDrain W 1051 |

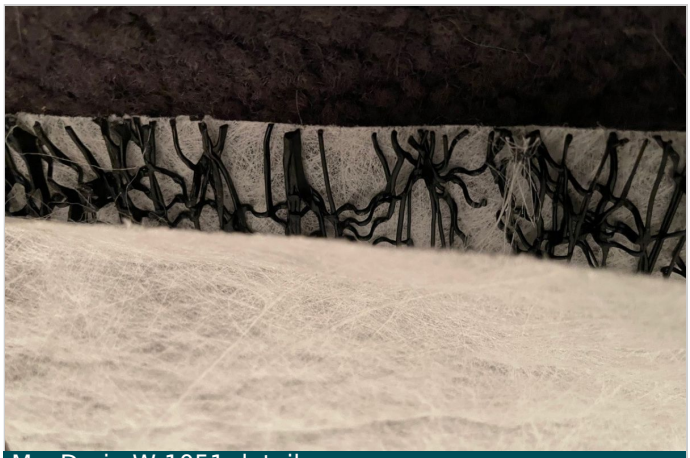
**Date of construction:** 01/2021 - 01/2021


MacDrain W 1051 detail


During the installation

During the installation

During the installation



MacDrain W 1051 detail

During the installation

Project overview

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