



AFITEX

Down-to-earth intelligence

NATIONAL LIBRARY BEYROUTH, LEBANON



Product :

DRAINTUBE 450 FT2 D25

Date :

2014-2015

Project Manager :

ERGA GROUP

Contracting authority:

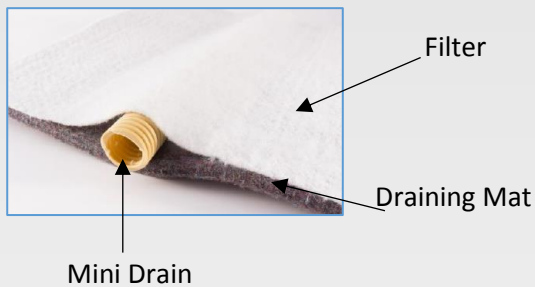
NATIONAL LIBRARY OF LEBANON

Contractors :

FOURIE

Area :

2 800 sqm



Technical Pole

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Mobile : 06 10 75 11 20

DRAINTUBE 450 FT2 D20's Function :

This product allows the horizontal drainage of rainwater et protection de la membrane d'étanchéité.

Project History :

As part of the restructuring of the National Library of Beirut in 1921, it was decided to completely renovate the buildings with the creation of underground parking and a landscaped courtyard.

Product's Description :

The product is composed with a filter layer, a drainage mat and mini-pipes.

The component are joined together by needle-punching. Mini-pipes are 100% polypropylene and perforated.

The number and diameter of the mini drains are determined by a desing taking into account the geometry of the forecourt and the maximum rainfall to be drained.

Product's Application :

The upper tightness of the parking slab is achieved by a bitumen membrane installed by a specialized company.

The DRAINTUBE FT is placed directly on the membrane, also acting as a mechanical protection against backfill materials. The mini drains are perpendicular to the collector drain, to allow rapid evacuation of drained water.

WORK SITE EVOLUTION IN PICTURES



Start of installation of the product.



Insight: The pose almost finished



Beginning of the covering with soil.



Installation finished.



Overview of the construction site



National Library finished, Lebanon.