



SIKA AT WORK

Roof waterproofing of Praktiker Hellas branch, Pallini, Greece

Waterproofing of existing roof: Sarnafil® TS 77-18

WATERPROOFING OF EXISTING ROOF, PRAKTIKER HELLAS BRANCH, GREECE



PROJECT DESCRIPTION

Praktiker Hellas is a Greek DIY (Do-it-Yourself) network that has been operating since 1991. Today, it has 16 stores in Greece occupying a total area of 100.000 m² and employs more than 1.600 people. The inauguration of Praktiker Hellas' 1st store in Elliniko, in November 1991, marked the introduction of the "Do-It-Yourself" philosophy in Greece.

One of the company's innovations is the training of its customers. Until the emergence of Praktiker, DIY was not a widespread philosophy and Praktiker undertook the project of spreading its wide range with various programs, product demonstrations and solutions in its stores that continue to date, while its library of tips and ideas is constantly updated.

Since April 2014, Praktiker Hellas has been a member of the Canadian company Fairfax Financial Holdings Limited.

PROJECT DEMANDS

In 2018 Praktiker Hellas celebrated its presence in Greece with a double inauguration in the area of Pallini; its 16th store and the 1st B2B Center, a showroom featuring an innovative approach and unique shopping experience for professionals. At the same time, it launched its new services for garden, interior & clima Experts, to support every need of garden architecture, home renovation & decoration, cooling / heating, by its specialized teams.

The roof of the existing building, constructed with roof panels, had to be waterproofed.

The total roof area was ~ 6.300m².



SIKA SOLUTION

The FPO synthetic membrane system **Sarnafil® TS 77-18** was used for the roof waterproofing. **Sarnafil® TS 77-18** (1,8 mm thickness) membrane is reinforced with polyester mesh and glass fiber fleece and is based on high quality flexible polyolefin (FPO) containing ultraviolet stabilizers and fire retardants according to EN 13956. It is suitable for mechanical fastening installation.

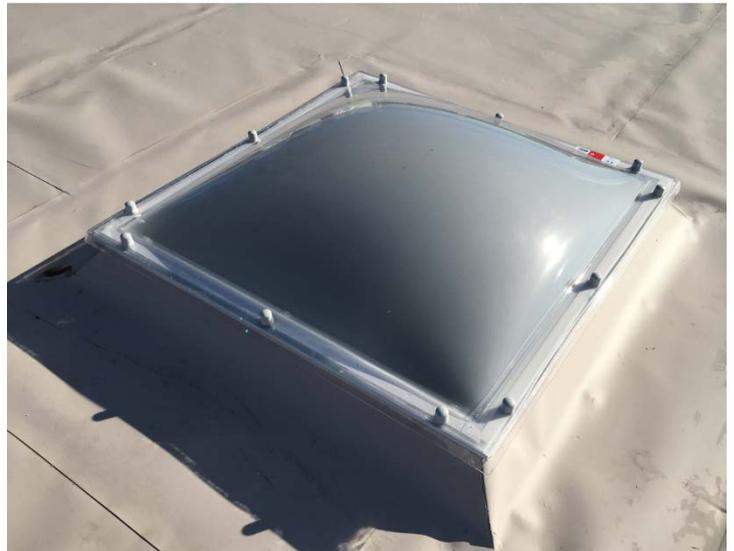
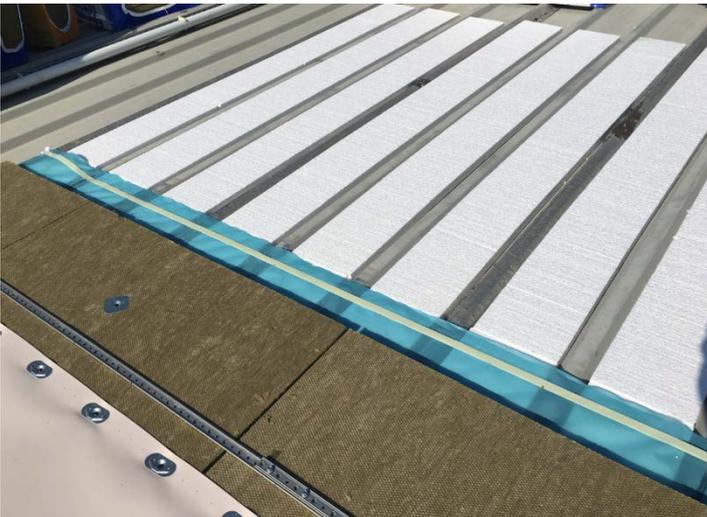
Sarnafil® TS 77-18 can be heat-welded and is designed for direct exposure to UV radiation and use in global climatic conditions. It is produced with a layer of non-woven glass fiber for dimensional stability and polyester reinforcement for high strengths.

For the correct configuration of the designed system using **Sarnafil® TS 77-18**, a wide variety of auxiliary products, such as special pieces, adhesives, circulation passages, e.t.c., are available to obtain a complete functional waterproofing system.

APPLICATION PROCESS

Trapezoidal sheet grooves were filled with expanded polystyrene thermal insulation boards. **Sarnavap®-1000 E** vapor control layer was applied onto the shaped and levelled substrate of the trapezoidal sheet.

Thermal insulating rock wool boards were applied afterwards and on this substrate **Sarnafil® TS 77-18** membrane was mechanically fastened.



Product quantities:

FPO membrane **Sarnafil® TS 77-18**: 7.200 m²

Vapour barrier **Sarnavap®-1000 E**: 6.500 m²

Tape **Sarnavap® Adhesive Tape**: 280 m'

Screws **Extra Heavy Duty Fastener 6,7x150mm**: 35.500 pcs

Metal washer for spot fastening **Sarnafast® Washer KTL 82x40mm**: 25.250 pcs

Metal washer for spot fastening **Sarnafast® Washer DTL 70x70mm**: 8.100 pcs

Metal profiles for perimeter support **Sarnabar®**: 200 m'

Perimeter support cordon **Sarnafil® T Welding Cord**: 200 m'

Metal sheets for perimeter support **Sarnafil® T Metal Sheet**: 60m²

Synthetic detail forming membrane **Sarnafil® T 66-15 D**: 20m²

Seam preparation and cleaner **Sarnafil® T Prep**: 10 lt

PROJECT PARTICIPANTS:

Owner: **Praktiker Hellas**

Contractor: **Pantelis Kostakis Ltd**



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