



Auckland International Airport Transport Hub

SIKA AT WORK

AUCKLAND INTERNATIONAL AIRPORT TRANSPORT HUB, NZ

MECHANICALLY-FIXED
WARM ROOF SYSTEM

BUILDING TRUST



AUCKLAND INTERNATIONAL AIRPORT TRANSPORT HUB, NZ



2,500m² of installed Sika Sarnafil sheet roofing membrane (Sika Warm Roof System)

PROJECT DESCRIPTION

As part of Auckland International Airport's transformational infrastructure programme, a new transport hub was proposed and designed to accommodate more travellers, with more convenience and with environmental consideration.

PROJECT REQUIREMENT

Situated on the western end of the new hub is an office building, the roof of which required complete and durable water-tightness. As part of the roofing membrane system build-up, additional insulation properties and lightweight design would allow the building to be constructed without the excessive weight and loading of conventional construction materials.

CHALLENGES

Of utmost importance to Auckland International Airport Ltd was the ability to maintain 'business as usual' with as little disruption as possible. This meant keeping a tight perimeter on construction activity and precision delivery schedules - both to ground and roof level.

Weather at the time of construction (May to September) was traditionally inclement, so the mechanically-fixed aspect of the Sarnafil warm roof membrane system surmounted this challenge when other methods required dry application conditions.

PROJECT SIZE

2,500 m²

SIKA SOLUTION

Roofing

Sika® Sarnafil mechanically fixed sheet membrane system.

PRODUCTS USED

Sika® Sarnafil S-327 20 L membrane
Sika® EJOT EcoTec telescopic fastener system
Sarnafil®-130 S-felt separation layer
Sarnatherm® EPS insulation, tapered to falls
Sarnavap®-5800 SA self-adhered vapour control layer
Sarnacol®-808/Sarnacol®-2170 adhesives

PROJECT PARTICIPANTS

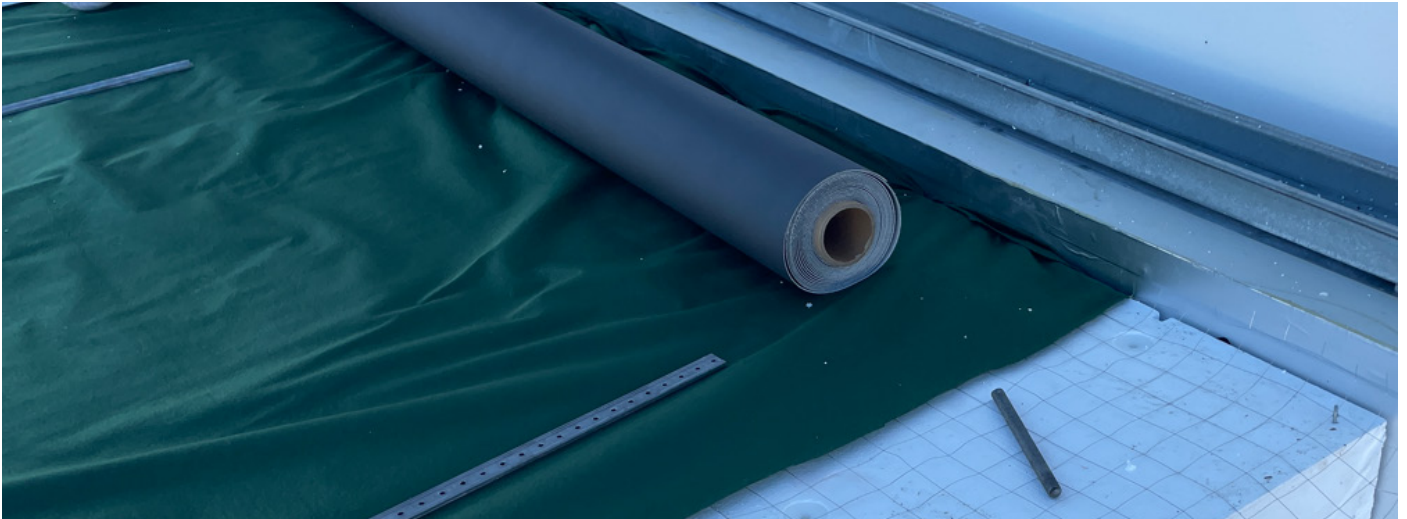
Product Specifier:	PeddleThorpe Architects
Main Contractor:	Icon Construction
Specialist Contractor:	Asphaltec Ltd



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Sarnavap-5800 SA vapour barrier applied to the flat concrete substrate.



Sarnatherm EPS NZ tapered insulation boards, specified electronic leak detection, Sarnafil-130 S-Felt and rolls of Sarnafil S-327 20 L being arranged in place.



Teamwork makes the dream work! Asphalttec making the installation of the Sika Eject Ecotek telescopic fasteners a breeze.



A completed section of the Sika Warm Roof system, awaiting connection to adjacent areas.

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