



SIKA AT WORK

NATIONAL ARMY MUSEUM

ROOFING SOLUTIONS

BUILDING TRUST



NATIONAL ARMY MUSEUM, NEW ZEALAND

PRODUCT DESCRIPTION

The Museum is a dramatic, award winning structure, built next to the Army's main training base at Waiouru in the Central Plateau area of the North Island. Located only a few kilometers from three huge active volcanoes, it is subject to extreme weather conditions including heavy snow falls in winter, strong winds and hot summer temperatures.



PROJECT REQUIREMENT

For many years the main gallery of the Museum, which houses irreplaceable valour medals, artifacts and displays, had experienced problems with water leaks. Considering the historic value and rarity of the Museum's collections, these leaks were causing concern in both Army and Government circles.

CHALLENGES

- Extreme weather conditions (application and curing at cold temperatures)
- Installation without disturbing the Museum's day-to-day activities
- A combination of liquid and sheet-applied options to allow for both tricky detailing and ease of installation



Before installation : National Army Museum



SIKA SOLUTION

The recommendation was to install mechanically fixed Sarnafil S327-20L through the existing membranes and into the timber purlins of the roof structure. The advantages for the Museum included:

- No removal of the existing membrane which meant that exposure to the weather was minimal and the priceless exhibits would remain protected during installation
- Heat-welded seams so the laps of the membrane would not let go as the failing rubber membrane had
- Great thermal stability, especially at low temperatures, which was important for a site which gets heavy snowfalls in winter and an average temperature of just 9°C

PROJECT SIZE

1200m²

PRODUCTS USED

Sarnafil® S327-20 L
 SikaRoof® MTC 22
 (Sikalastic-601 BC/Sikalastic-621 TC)
 Sarnafil® Walkway Pads
 Sarnafil® S-UniBase
 Sarnametal

PROJECT PARTICIPANTS

Product Specifier:	Sika (NZ) Ltd
Specialist Contractor:	Boot Mac Contracting Limited
Sika Contact:	Jon Summers



After installation : National Army Museum



FOR MORE ROOFING INFORMATION:



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