

Case study Textile Architecture

Golden Rock Resort, Dutch Caribbean



VALMEX® TF 400 F1



Engineering & Planning:
Hoenderdos Constructie & RVS

Fabrication & Manufacturing:
Hoogeboom BV



Bobbie's Beach Club



Bobbie's Beach Club Terrace

Golden Rock Dive and Nature Resort, located on the undisturbed island of Sint Eustatius in the Dutch Caribbean, embarked on a visionary project aiming to redefine hospitality while embracing sustainability. The resort is committed to setting new standards in sustainable hospitality, providing guests with unique experiences while preserving the pristine beauty of Sint Eustatius.

One of the primary challenges was to create a structurally resilient yet aesthetically pleasing roofing solution for various facilities across the resort. With the Caribbean's unpredictable weather patterns, finding a material that could withstand intense tropical storms, offer durability, and align with sustainability goals was imperative.

In the quest for high-performance materials, Mehler Technologies' **VALMEX® TF 400 F1** proved to be the ideal solution for the roof-

ing needs. This technical fabric provided outstanding strength, weather resistance, and durability, meeting the stringent requirements set for the project. Approximately 850 square meters of **VALMEX® TF 400 F1** material was used in constructing sail roofs and shade cloths across the resort's facilities. This technical textile not only offered protection from the elements but also seamlessly integrated with the architectural design, elevating the aesthetic appeal of the resort.

The sail roofs, meticulously crafted with **VALMEX® TF 400 F1**, have not only withstood multiple tropical storms but also demonstrated exceptional durability. Moreover, these roofs also doubled as rainwater harvesting systems, contributing to the resort's water sustainability initiatives. The captured rainwater, filtered through the **VALMEX® TF 400 F1** roofing, is reused for flushing toilets, irrigating the gardens, and nourishing the on-site 20,000 square foot greenhouse.

Golden Rock Dive & Nature Resort

Project:	Canopies for various facilities
Location:	Island of Sint Eustatius in the Dutch Caribbean
Material:	VALMEX® TF 400 F1
Color:	White
Quantity:	850 sqm
Architect:	Harold Brandwijk
Engineering:	Hoenderdos Constructie & RVS
Manufacturing:	Hoogeboom BV
Client:	Golden Rock Dive & Nature Resort
Completion:	2023

This project has won the Silver Award in the category „Textile Shading Systems“ of the European Textile Award 2024.

Source: Golden Rock Dive & Nature Resort



Gastronomy facilities and pools



Reception



Yoga platform