

Water Storage Basin «Teufböni» Switzerland

with Schedetal Extrupol® M – Waterproofing membrane



Project Description

Sportbahnen Schwyz-Stoos-Fronalpstock AG (SSSF), 6430 Schwyz, are assuring their future for winter sport tourism with the recent erection of a snow making installation in the region «Teufböni», Stoos. The water required for the snow making process will be collected and made available in a water storage basin with an effective volume of about 23,000m³ water capacity. Economic considerations, based on increasing climate change, led to this decision on the part of SSSF AG. Already in the pre-project phase it became evident that the justification for this investment can only be sustained by the long term service life of the water storage basin. And in order to achieve the project requirements over the long term, SSSF AG decided to attain the impermeability of the basin through the use of a high quality, environmentally friendly, polymeric waterproofing membrane

Project Owner Schwyz-Stoos-Fronalpstock AG
Bahnhofstrasse 28, 6430 Schwyz

Planning and Execution

Planning/Project Management CES Bauingenieur AG, 6423 Seewen
Waterproofing works Abdichtungsbau Durrer GmbH, 6055 Alpnach Dorf (Head Office)

Project Information

Waterproofing Surface 8,400m²
Effective Volume approx. 23,000m³
Surface excavated earth, stabilised with limestone
Levelling/Protection Layer Synthetic fibre fleece, 1,000g/m² / 1,500g/m²
Waterproofing System Schedetal Extrupo^l® M 2.3mm, light grey, FPO waterproofing membrane
System accessories Joint sealing tape for connections to support structure
Date of Execution September/October 2008

Membrane Manufacturer Schedetal Folien GmbH, DE- 34346 Hann. Münden
System supplier ATCON International AG, total waterproofing management
CH-6055 Alpnach

Product Information Schedetal Extrupo^l® M

Standard Colours light grey (standard), other colours on request
Thickness standard 2.3mm (other thicknesses on request)
Composition Flexible Polyolefines FPO (based on PE)
Characteristics glass fleece carrier, thus dimensionally stable, resistant to UV weathering and ageing
Ecology environmentally friendly, recyclable, free of plasticizers, chlorine and heavy metals
Installation outstanding welding characteristics resulting in secure installation year round
Material Warranty 10 years
Standards conforms with all applicable waterproofing norms (EN 13361)

Schedetal – the Reliable Waterproofing Partner

35 years of proven technical Know-How in the development and production of waterproofing membranes in the general field of roofing and civil engineering makes Schedetal a reliable partner when it comes to experience and security. This is the result of constant innovations, continuously improved recipes and performance with a passion. The more than 45 million square metres of waterproofing membranes produced in the meantime make Schedetal one of the world's leading suppliers. Fully complementary accessories such as, e.g., joint tapes for connection to support structure, likewise belong to the waterproofing system, as well as synthetic fibre fleece levelling and protection layers, fastening elements, sealants and adhesives.

