



Siplast bituminous geomembrane TERANAP TP to protect the site of Antamina tailings dam in Peru.

A dam at 4,000 meters above sea level designed for tailings containment during the mining operation.

The Antamina is located 4,200 meters above sea level in the Andes Mountains, 270km northeast of Lima. As one of the largest copper-zinc-molybdenum mines in the world, it is an important source of income for Peru.

The large scale mining operation has social, economic and environmental considerations that requires careful management. Golder Associates has been involved from the beginning of the project and have an ongoing role as the Engineer of Record for the design and construction of the tailings dam which will have an ultimate height of over 240 meters. It will be one of the highest embankments in the world with impressive ancillary structures: a water supply dam, three 3.5-m horseshoe section drill and blast tunnels, three concrete tunnel plugs and two side-hill decant structures.

Beside the technical concerns, long term environmental concerns are a significant consideration in these projects. Teranap TP has been chosen as the most reliable waterproofing option, for structures which will safely store tailings, mining waste and manage onsite water.

Other prestigious references:



Cerro Negro Gold mine,
Argentina



Water storage pond
Laughtondale - Australia



Project information

Project: Antamina mine, Peru

Engineering designer: Golder

Installation Company: SIGSA
Peru

General Contractor: OHL
(Obrascón Huarte Lain) and
Mota Engil

Distributor: TDM (Tecnología de
Materiales), Peru

Total surface: 93 960 m²

Siplast product:

- Teranap TP

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