

PROJECT INFORMATION



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Client	<i>Sadiola Hill Gold Mine</i>
Project	<i>Raw water storage ponds, Sadiola Hill Gold Mine, Mali, West Africa</i>
Liner Specification	<i>1,5mm Thick HDPE 2,0mm Thick HDPE</i>
Size	<i>29 545m²</i>
Date Completed	<i>1996</i>

Application Details

The raw water ponds are the water storage facility for the entire Sadiola complex. The ponds receive water from the Senegal River via a pipeline roughly 70km long.

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FOUNDED 1984

Sadiola Hill Gold Mine



Lining was installed to 2 ponds. The 1,5 mm thick material was installed on the floor whilst the 2,0 mm thick material was installed on the sidewalls.

The lining installation took place in Mali's rainy season and the constant storms and heavy winds posed challenging problems.

The site conditions were relatively arduous as Sadiola was the first mine opened in the area.

The local labour was completely unskilled and some of the machinery such as grinders caused the locals to flee in fear.

Despite the trying conditions, the lining project was completed on time and to the satisfaction of the client and engineers.

Engineered Linings revisited the site in 2001 and found the lining to still be in perfect condition, five years later.



OTHER
AND
PONDS
DAMS

- Matimba raw water reservoir - 2,0mm HDPE - 105 000m²
- Kirstenbosch irrigation dam - 2,0mm HDPE - 22 000m²
- Windhoek Municipality irrigation dams - 2,0mm HDPE - 13 200m²
- Construction water dam, Lesotho Highlands - 1,5mm Carbofol - 13 000m²
- Raw water reservoir Onverwacht DWAF - 2,0mm HDPE 18 000m²
- Iscor Long Steel Pollution Control Dam - 1,5mm & 2,0mm HDPE - 31 600m²
- Evaporation ponds, Saldanha Steel - 1,0mm & 2,0mm HDPE - 6 300m²
- Ostrich Production, Namibia (Tannery) - 1,0mm & 1,5mm fPP - 6 800m²
- Natref Evaporation Ponds - 1,5mm HDPE + Geonet - 23 800m²
- Sappi Enstra - Black Liquor storage pad - 1,0mm HDPE + 2,0mm fPP - 16 380m²
- Kynoch Potch return waterdam - 1,0mm & 1,5mm HDPE, 1,0mm LLDPE - 189 500m²
- Aquarius Platinum return water dam - 1,5mm HDPE - 35 400m²
- Vanchem Slimes dam - 1,5mm HDPE - 39 600m²
- Gypsum Dam, Kynoch Ptchefstroom - 1,0mm HDPE - 12 000m²