

Öresund Tunnellink Denmark-Sweden



Waterproof tunnel ramps with geomembrane construction

The Øresund tunnel in conjunction with the Øresund bridge connects the Danish capital Copenhagen to Malmö in Sweden. Genap was requested advice about the possibilities of applying a geomembrane construction for the Øresund tunnel ramps. The complexity arose from the dry application of the foil construction to the concrete tunnel parts. Additional measures were necessary since

one of the ramps crossed the approach route of the Copenhagen airport.

Eventually our advice was turned into an order for the supply and installation of:

- 85.000M² Genaseal LLDPE 2mm foil
- 10.000M² dilatation profile (waterproof construction joint to which the foil construction is welded)
- 6.000M² drainage membrane