

Bottom seals for tank terminals



Geomembrane structure under storage tanks

Bottom protection is used when one is working with hazardous substances that can be harmful to the environment. In the petrochemical industry liquid-proof geomembrane structures are often fitted underneath storage tanks. Genap has installed these liquid-proof geomembrane structures for a range of national and international clients.

Generally a 2mm HDPE geomembrane is used, however, the 100% oil-resistant material Genatex 1150XR is quickly gaining favour.

Benefits of Genatex 1150XR:

- the material is resistant to crude oil and kerosene, unlike HDPE which has less resistance;
- the 1mm thick material is fitted with reinforcement and can be folded;
- the material can be prefabricated into large sheets or into complete bottom seals (consecutively up to 2500m²);
- the geomembrane structure can often be installed within one day;
- very low thermal expansion (22x lower than HDPE) which means creasing occurs less quickly.