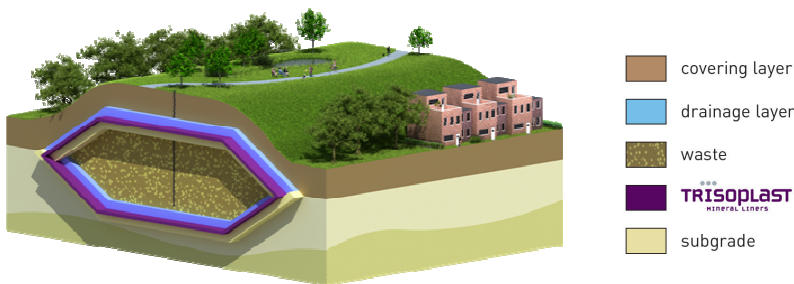




LANDFILLS AND REMEDIATION

The most important function of the Trisoplast® mineral barrier for the landfill and remediation industry is the prevention of contaminants leaking into the environment.

Its outstanding performance is achieved by mixing the special bentonite-polymer component with a mineral filler. The network of chemical bonds that forms during the initial wetting process between the mineral particles, the sand and the polymer creates a strong, dense, spider-web-like gel structure that provides substantially better barrier properties than traditional mineral barriers do.



Main advantages of Trisoplast:

- Extremely low permeability
- Easy and safe sealing to constructions
- Gel formation prevents erosion
- Self-healing ability
- Ability to cope with differential settlement
- High chemical and physical stability
- High moisture retention capability
- Low gas permeability
- Long lifetime

The fairly dry Trisoplast mixture is normally produced in a mobile mixing plant and installed using a hydraulic excavator. It is then compacted with a small compactor, a roller or a vibrating plate. Covering layers, geo-synthetic or mineral, are placed and water is applied either naturally (e.g. by rain) or artificially to create gel formation.