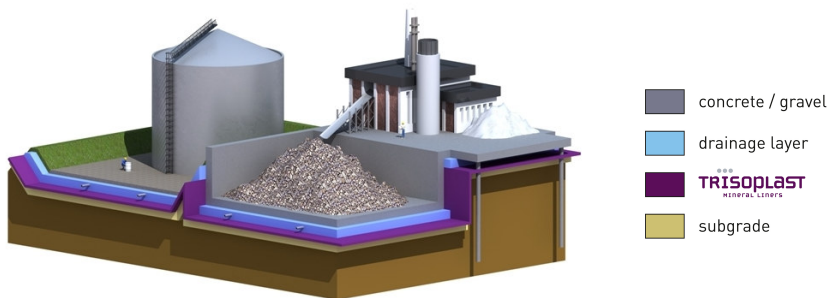




INDUSTRY

In addition to being used for normal water proofing purposes the flexible mineral barrier Trisoplast® is used for a wide range of applications in industry to prevent contaminated water entering the environment.

The special clay-polymer component is simply mixed on site with sand and installed as a robust layer. Surrounding water absorbed by the layer after installation will cause the bentonite clay to swell and form a network of chemical bonds with the polymer to create 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
- Long lifetime
- Ability to cope with differential settlement
- High chemical and physical stability
- High moisture retention capability

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.