

## **Definition**

Clay based swelling waterproofing sheets/panels.

## **Types**

- Sodium bentonite GCL
- Panels
- Granules

## **Advantages**

- Self healing
- Swells with water
- Natural

## **Limitations**

- Needs confinement
- Salt water risk

## **Applications**

- Foundations
- Basements
- Tunnels

## **Installation**

1. Fix sheets
2. Overlap
3. Seal joints
4. Backfill confine
5. Hydrate