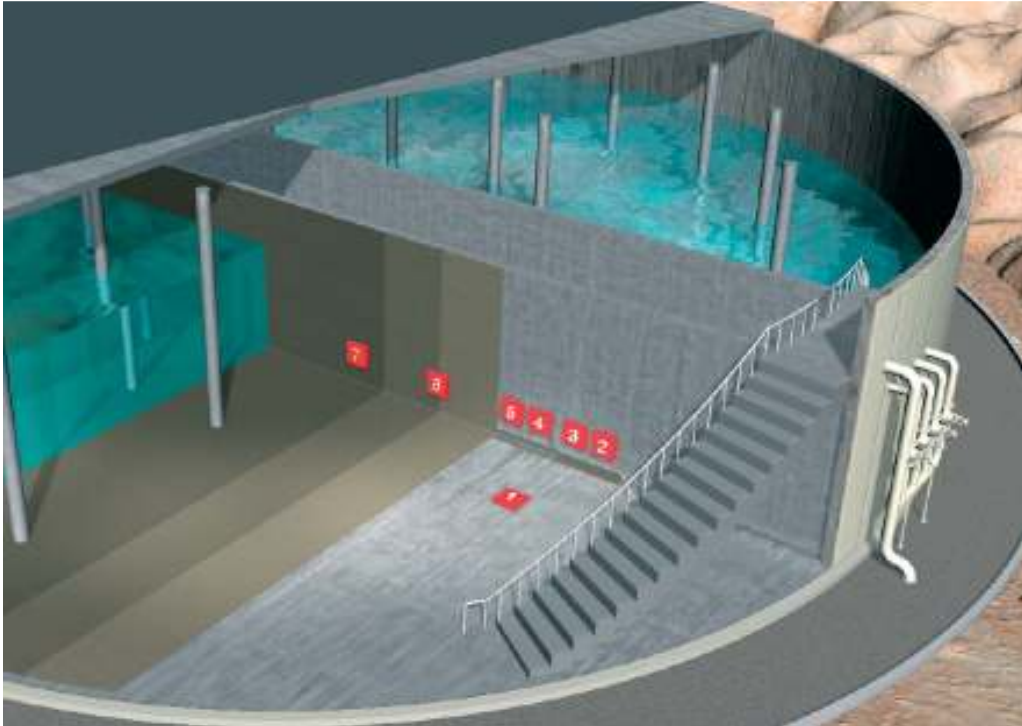




Waterproofing Drinking Water Containment Structures



Cleaning and Preparation

- The overall substrate should be mechanically prepared to give a clean and roughened profile.
- Concrete bunds should be inspected and repaired using mortars from the Betofix range.

Substrate Priming

- The surface is uniformly primed with Kiesol by brush or low pressure spray.

Bond coat and Waterproof Filling and Coving

- Within the 15-30 minutes open time of the Kiesol primer, the Sulfatex Grout bond coat is applied.
- Apply Waterproofing Filler 'wet on wet' to the bond coat in order to level uneven areas, fill surface defects and fill any raked out masonry joints.
- A coved fillet is then formed at the wall/floor junction.

Flexible Waterproofing top coat(s)

- When the bond coat levelling filler has dried sufficiently, apply a further three coats of Flex Grout 2K.

OR

Ridged Waterproofing top coat(s)

- When the levelling filler has dried sufficiently, apply a further three coats of Sulfatex Grout by slurry/brush.
- A three coat system is necessary for permanent water loads.

Finishes

- After a waiting time of 3 days, apply Kiesol (@ approx 0.3 kg/m²), to all surfaces.
- The total system should be allowed to cure for 4-6 days before permanent water loads are applied.

Waterproofing Drinking Water Containment Structures



1
Substrate pre-treatment

Remove all substances that could interfere with adhesion, ensuring that a clean and roughened profile is achieved using suitable mechanical means..



2
Priming

Highly absorbent substrates should be pre-wet with water. Kiesol used as a primer (diluted 1:1 with water) is applied evenly.



3
Bonding Coat

Within the open time of the Kiesol, a bonding layer of Sulfatex Grout is applied with a wide brush.



4
Levelling

Wet-on-wet, all unevenness is leveled with Waterproofing Filler.



5
Sealing Cove

The sealing cove made of Waterproofing Filler is placed with a special sealing cove trowel and finished so that it has the prescribed radius of 5cm at the wall/floor joints.



6
Protection and waterproofing system

After drying, the protection and waterproofing system is applied in several working operations, wet-on-wet (as soon as the previous layer will not be damaged when worked over).



7
Surface finishing with Kiesol

Impregnating the surface of the waterproofing system in the fresh state results in a resistant smooth surface.