
POOL LINER

NUCLEAR TECHNOLOGIES



Pool Liner

Pools and tanks, such as spent fuel pools and reactor pools are subject to high tightness requirements for the whole operating time. They are designed, manufactured and assembled according to customer requirements. The design also takes special loads into account such as earthquakes and elevated temperatures in case of incidents.

The liner steels are welded onto a framework which is embedded and anchored either in the first or second concrete. The thickness of the liner depends on the mechanical loads. A leak detection system controls all welds.

Bilfinger Noell also supplies the relevant equipment such as partition gate, slot gate, shielding gate, staircases, brackets, sealing doors and tools.





Olkiluoto 3: IRWST Liner



Olkiluoto 3: Pool Liner with Gate



Olkiluoto 3: Pool Liner - Welding of Liner Sheets

Engineering & Technologies

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References

- Germany: NPP Isar 1 und 2,
NPP Grohnde,
NPP Philippsburg 1&2,
NPP Grafenrheinfeld,
NPP Emsland
NPP Neckarwestheim 2
- Finland: NPP Olkiluoto 3
- Argentina: NPP Atucha 1&2
- Brazil: NPP Angra 2
- France: A.P.E.C