



Asnæs Power Plant



New flexible and energy saving method for insulating tanktops without production stoppage.

**WE DO THE JOB**

## Insuflex Tanktop Insulation

### ENERGY AND COST SAVING TECHNIQUE

The Insuflex Tanktop Insulation System includes PIR (Polyisocyanurate) as insulation material. With a lambda value of only 0.026 PIR has excellent insulating capacities resulting in up to 25% higher energy savings than traditional insulation materials. The system is approved in all prevalent fire tests.

### NO PRODUCTION STOPPAGE NEEDED

Insuflex Tanktop insulation can be installed without production stoppage as no welding work is needed. Special adhesives and sealants keep the rooftop in place. The installation technique together with several layers of flexible membranes ensure complete tightness and no cold bridges.

### EXTENDS THE LIFESPAN

Insuflex Tanktop Insulation System extends the lifespan of your tanks.

The flexible membranes and sealants allow for expansion and contraction of the rooftop due to temperature changes. There will be no cracks in the surface where water or snow can enter and cause corrosion of the tanktop.

### EASY MAINTENANCE

Inspection hatches can be installed without damaging the insulation or the tightness of the surface. If the surface gets damaged it is easily repaired. Skidproof areas can easily be established and marked to form safe passage when inspection is needed.

### ENVIRONMENT FRIENDLY SYSTEM WITH SHORT PAYBACK TIME

Insulation almost always contributes to reducing carbon dioxide emission as it reduces the amount of fossil fuels needed. The better insulation system the more reduction.

Insuflex Tanktop Insulation System is highly effective and besides being environment friendly you will experience a surprisingly short payback time on your investment.

**Let Norisol calculate how much energy - and money - you can save and what the payback time of your investment is.**

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1. PIR Insulation board, PU adhesive and bitumen membrane.
2. PU membrane is being installed in glass textile.
3. Finishing with flexible sealant.
4. Insulation of two tanks for Oiltanking Copenhagen A/S. Tank tops were insulated with 100 mm Insuflex Tank Top Insulation System and tank walls with 150 mm mineral wool. Media temperature is 40°C, surrounding temperature 8°C. Annual energy saving was 2.3 mill. kWh. The investment of DKK 1.5 mill. also included the necessary scaffolding and the payback time was only 12 months.

## INSUFLEX TANKTOP INSULATION

- Insulation can be installed without production stoppage. No welding is needed.
- PIR insulation gives up to 25% more energy savings with same insulation thickness as traditional insulation materials.
- No cold bridges.
- Security for tightness.
- Simple marking and skidproof walking areas.
- Allows for expansion and contraction caused by changes in temperature.
- Built-in inspection hatches.
- Approved in all prevalent fire tests.
- Environment friendly.

WE DO THE JOB

Norisol is a Scandinavian group offering a comprehensive package of services within technical insulation, access & scaffolding services and building contracts. Design and engineering, material supply, supervision and manpower are also parts of our services. Norisol has branches throughout Denmark, Norway, Sweden and in Aberdeen.

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