

**REFERENCE PROJECT**  
**06/2020/002**



**EKOSPRAY© INSULATION –**  
sustainable and most effective solution in  
the market!



## **KEY FACTS**

**Contractor:** Keski-Suomen Uretaanieristys Ky

**Used product :** Ekospray©

**Sprayed area in square meters :** 80 m<sup>2</sup>

**Thickness of the sprayed layer :** 100 mm

## Bang & Bonsomer

Bang & Bonsomer's strategic approach is to **offer smart material technologies** to our customers. Smart material technologies are a combination of distribution, own products, smart process technology solutions, services

and own application laboratories/technical centers. We strive to be known as an **innovative material technology company with knowledge and heritage dating back to 1927.**

## Keski-Suomen Uretaanieristys Ky

Company is specialized in polyurethane insulations and floor lifting services. Company provides services for clients of different industrial areas to clients of private sector - from small to big contracts. This company operates nationwide and working abroad is not a problem.

Company has many decades of experience from this area of business. Only good quality and tested raw material is used, which has been found out to be good to operate with. All the needed equipment is transported by truck from worksite to another. Together with experience, quality raw materials and modern equipment they can reach the result, which answers to the client's needs.

## Ekospray©

Ekospray© polyurethane foam has many outstanding properties that make it the **most effective insulation material on the market.**

Ekospray© is the professional's choice for many reasons:

1. It forms a completely **compact insulation layer**
2. The insulation layer is **seamless and solid**
3. It serves as a **vapour barrier**
4. **It does not mildew**
5. **It does not rot**
6. **It does not impair mobile phone traffic** because spray polyurethane insulation does not contain aluminium film
7. The insulation **thickness is scaled** according to the specific requirements and application
8. It has **a long life** - Ekospray©'s life can be over **100 years**
9. **Insulation performance and form are preserved** without change year after year
10. **It is environmentally friendly:** PU insulation saves on energy throughout the life cycle of the building. Dispensable insulation material can be recycled or burned, and in this way re-used as energy.







## Were there any other options available?

Surface of the project was uneven and rugged, so **using other insulation methods would have been difficult.**

Ekospray made it possible to have an **airtight and effective insulation** for this project, still being fast and cost-efficient solution.

## Was any special base work or other actions required before insulation?

Sprayed polyurethane foam **doesn't require any special base work** when the base is dry, free of loose dirt, dust and grease..

**Surface temperature should be at least +10 C.** This project had a spray concrete surface for other reasons

## How was the insulation planned? Did everything go according to plan?

First the screening of the areas which were not insulated was planned. Time of the insulation job

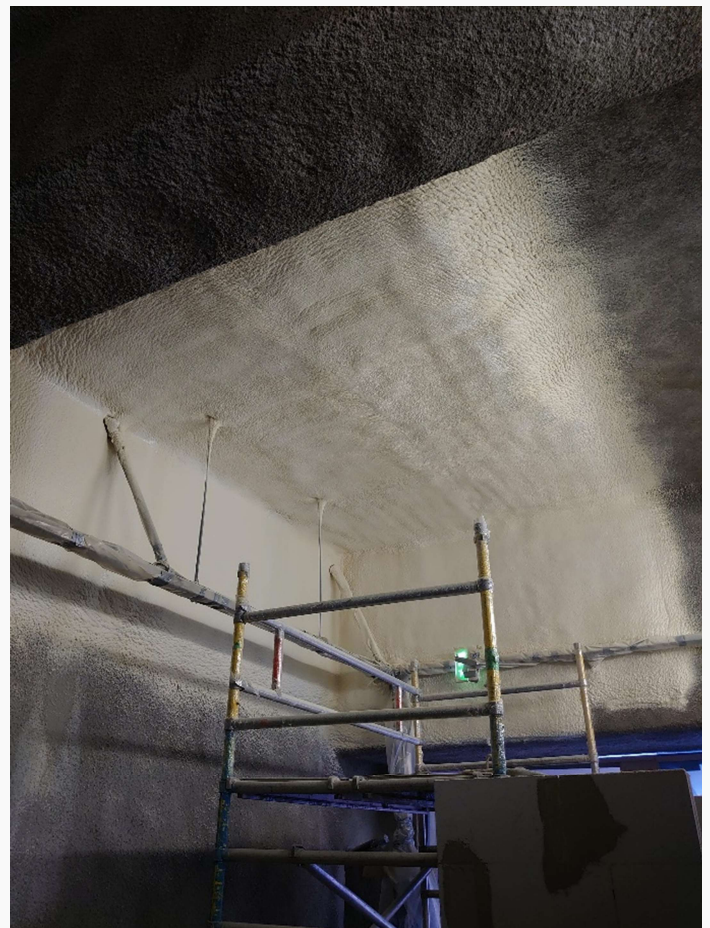
was planned so that it **didn't disturb other contractors.** Insulation job went according the plan.

## How long did insulating take? Did the spraying disturb other contractors on the site?

**Spraying took approximately 5 hours.** Insulated space was separated from other areas, but since it was located at the only exit of the site, it wasn't possible for other contractors to work there at the same time.

## Was it hard to form an airtight structure by using Ekospray?

Even though the surface was uneven and rough because it was recently coated with spray concrete, it **was not a problem to reach an airtight structure** with sprayed polyurethane.



# WHY TO CHOOSE CLOSED CELL EKOSPRAY®?

- **M1-classified** insulation material
- **Thickness of >35mm's** will be enough to form a vapor barrier
- **U-value 0,17 W/mK** can be reached by 150mm of thickness
- **Reduces the heating costs** of the building
- **Completely airtight** insulation layer
- **Stiffens** the structure
- **Doesn't mold or absorb water**
- Attaches to unlevelled surface, **doesn't require the flattening of the base**
- Great **burden resistance**

## CONTACTS

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