

Case Study: Thermie-S Liquid Insulation for Hungarian Military Containers

Project Overview: In 2017, a contractor partnered with Thermie-S won a public procurement process to insulate prefabricated base structures for the Hungarian Military using Thermie-S liquid insulation product.

Initial Implementation: The project began with the insulation of one military base. Thermie-S liquid insulation was applied to the container structures.

Evaluation: Following the completion of the first base, an evaluation period was conducted to assess the effectiveness of the Thermie-S insulation. The results showed significant power savings on air conditioning in the treated structures.

Expansion: Based on the positive results from the initial implementation, the Hungarian Military ordered the application of Thermie-S insulation on three additional bases.

Client Feedback: In January 2019, the Hungarian Ministry of Defense Electronic, Logistics and Property Management Corporation (HM EI Zrt.) provided a reference statement regarding the effectiveness of the Thermie-S insulation:

- Total treated surface area: 4 x 2100 m² (8,400 m² total)
- Significant energy savings were observed for both cooling and heating
- Exact savings could not be determined due to changes in energy supply (transition from generator to grid power)
- Both the application process and the coating quality were rated as first-class
- The insulation's effectiveness met expectations

Project Continuation: The success of the initial implementations led to an expanded project scope for 2018, with orders for insulating a total of 400 containers.

Key Benefits:

1. Significant reduction in energy consumption for heating and cooling
2. Improved thermal comfort in military living quarters
3. Cost savings on energy expenditure for the Hungarian Military
4. Scalable solution applicable to large numbers of prefabricated structures

Conclusion: The Thermie-S liquid insulation project for the Hungarian Military demonstrates the product's effectiveness in improving energy efficiency in prefabricated structures. The successful implementation and subsequent expansion of the project highlight the practical benefits and client satisfaction with the Thermie-S insulation solution.

