

Case Study: Serial Production Insulation Project at Rotachrom LLC, Kecskemét

Project Overview

Following the successful insulation job at the Dabas premises, Rotachrom Technologies LLC selected us as the supplier for the serial production of their pharmaceutical machinery. This follow-up project took place at their final factory location in Kecskemét, Hungary. Our task involved the application of our liquid insulation material through spray painting on the Evaporator Skids.

Project Details

Location: Rotachrom LLC, Kecskemét, Hungary

Project Type: Serial Production Insulation

Industry: Pharmaceutical Manufacturing

Objective: To provide high-quality liquid insulation on Evaporator Skids to ensure optimal performance and energy efficiency in serial production.

Outcome: Successful application of liquid insulation material, reinforcing the long-term partnership with Rotachrom LLC.

Insulation Process

1. **Initial Setup:**
 - Coordination with Rotachrom's production schedule to ensure minimal disruption during the insulation process.
 - Setting up a dedicated area within the factory for the spray painting operation, ensuring it met safety and operational standards.
2. **Preparation:**
 - Thorough cleaning and preparation of the Evaporator Skids to ensure optimal adhesion of the liquid insulation material.
 - Masking and protection of areas not requiring insulation to maintain precision and cleanliness.
3. **Application of Liquid Insulation:**
 - Utilization of specialized spray painting equipment to apply our proprietary liquid insulation material evenly across the Evaporator Skids.
 - Multiple layers of insulation were applied to achieve the desired thickness and insulation properties.
4. **Quality Assurance:**
 - Post-application inspection to ensure uniform coverage and adherence to quality standards.
 - Performance testing of the insulated skids to verify their effectiveness in maintaining the required thermal conditions.

Challenges and Solutions

- **Challenge:** Integrating the insulation process within the ongoing production activities at the factory.
 - **Solution:** Detailed planning and scheduling to perform the insulation during off-peak hours or in designated areas to avoid any production delays.
- **Challenge:** Ensuring consistent quality across multiple units in serial production.
 - **Solution:** Implementing standardized procedures and rigorous quality control measures throughout the insulation process.

Outcome and Impact

The successful insulation of the Evaporator Skids with our liquid insulation material at the Kecskemét factory not only met but exceeded the expectations of Rotachrom LLC. The enhanced performance and energy efficiency of the insulated skids demonstrated the effectiveness of our product and application methods.

This project solidified our role as a key supplier for Rotachrom's pharmaceutical machinery production, reinforcing the long-term partnership and opening avenues for future collaborations. The consistent quality and reliability of our insulation solutions have positioned us as a trusted partner in their manufacturing process.

Visual Documentation

The following images provide a visual representation of the project:



