LES REVÊTEMENTS BRONYA CANADA INC.

THERMAL INSULATION OF TANKS, CISTERNS, CONTAINERS

Innovation and its benefits

The main task of thermal insulation of tanks is to protect against overheating caused by the sun's rays. This problem arises when operating tanks with petroleum products (crude oil, reserve fuel, gasoline, kerosene, automotive oils). The boiling point of petroleum products is + 40 ° C, after which the process of gradual evaporation begins. In the summer season, forced losses can reach 30-40% of the total volume of the tank, especially in hot regions where metal surfaces are heated to temperatures above 80 ° C. The use of ultra-thermal insulation thin Bronya for the thermal insulation of tanks and containers allows to reduce temperatures on the external surfaces and, consequently, to significantly reduce evaporation losses. The liquid consistency allows you to isolate the most difficult to reach and problematic places for installation. The high speed of application with the use of airless spraying devices allows, in a few days, without technological interruption, to carry out work on the thermal insulation of tanks of various configurations. Its lifespan is at least 15 years. Another task of thermal insulation of tanks and containers is to reduce the level of heat loss. In industry and electrical engineering, it becomes necessary to insulate accumulator tanks and deaerators filled with hot water. This task is complicated by the large volumes and the complex configuration of the equipment, often operated at high temperatures. Thermal insulation of equipment and pipes, creating a safe and comfortable working environment for maintenance personnel. Another task of the thermal insulation of tanks and containers is the elimination of condensation. Ultra-thin thermal insulation "Bronya" also allows you to solve this problem.

Fields of application and issues

Different application context

Thermal insulation of tanks, cisterns, containers

Oil tanks with gas tanks and heater

Fire tanks reservoirs

Others

Improvement factors

- Elimination of heat loss
- Increase in the cooling time of the substance
- Reduce energy consumption for heating
- Reduced tank heating in summer
- Corrosion protection
- Ease of installation (all structural elements)
- Economical

Fields of application and issues

Different application context

Thermal insulation of oil storages

Improvement factors

- Installation - painting work
- High maintainability
- Resistance to petroleum products
- Reduction in the evaporation rate of the substance in the container (eg gasoline)
- Long life

Protection against evaporation, minimization of heat loss!