

TECHNICAL DATA SHEET - B-THERMIQ MASS

Scope of Application

MASS coating is designed as a material for insulation both inside and outside buildings, public utility buildings, hospitals, as well as for insulating machines and equipment in the food industry within buildings. Additionally, it is used for insulating pipe surfaces in heating systems. Example areas of application include: district heating pipelines, storage tanks, pressure valves, heat exchangers, equipment for hot and cold processing, etc.

Performance Parameters

- Environmentally friendly coating
- Excellent thermal insulation in a thin layer
- Creates a thermal barrier, resulting in reduced energy consumption for heating or cooling
- Easy to apply
- Resistant to microcracks and highly durable
- Flexible
- Good adhesion to porous substrates (adhesion) and excellent adhesion to aluminum, copper, and steel
- Coatings show exceptional resistance to UV radiation and changing weather conditions
- Forms coatings with good variable diffusion properties
- Coatings demonstrate high resistance to aggressive external factors
- Can be applied in thicknesses ranging from 0.50 mm to 3 mm or more
- Can insulate surfaces up to 140°C
- Low VOC content

Product Characteristics

Properties	Technical Parameters
Dry matter content	80-85%
Density at 20°C	0,48-0,56 g/cm ³
Application temperature	+15 do +40°C
Resistance to temperature effects	od - 20°C do +140°C
Drying time of the first coat	6 hours
Thermal conductivity coefficient (λ)	< 0,03 W/mK
Water vapor permeability (SD)	< 0,7m

Surface Preparation

Surfaces intended for the application of MASS coating should be clean, dry, degreased, free of cracks, and algae-free. Before application, it is recommended to wash the surface using a pressure washer. After drying, any material gaps should be filled, and the surface should be primed with a primer manufactured by our company.

Application

To achieve the minimum coverage, it is recommended to apply at least two coats. The work should be carried out at temperatures between +15°C and +40°C. Before application, mix thoroughly. The thickness of the first coat should be 0.50 mm, while subsequent coats can be applied up to a maximum of 3.00 mm. Apply coats with an interval of approximately 6 hours. Use a hybrid spraying unit that enables the application of a relatively smooth coating layer on the surface. After finishing the work, clean the tools with water according to the manufacturer's instructions for the equipment.

Additional Information

The product is sensitive to low temperatures and should be stored at a temperature between +5°C and +25°C, in a location away from direct sunlight. The shelf life of the coating is 12 months from the production date, provided that the above storage conditions and the integrity of the packaging are maintained. The MASS coating is produced in plastic containers with capacities of 10 liters and 1000 liters. VOC content according to Directive 2004/42/EC FE130g/l from 2010. The product contains a maximum of 20 g/l.