



### No more dripping water or consequential damages - physical protection against condensation

Dripping water on surfaces and cold spots can lead to weathering, rot, mould or corrosion. KefaTherm protects physically, without harmful chemical additives and has corrosive-resistant and heat-insulating properties. The unique microporous structure of KefaTherm regulates moisture by absorbing accumulating condensation and releasing it back quickly into the atmosphere. This allows surfaces remain permanently drip-free and dry. Goods, equipment, and building materials are protected for years.

### Properties

- Protection against dripping condensation and consequential damages (mould, hygienic problems, corrosion, ice formation)
- Keeps surfaces dry by the rapid uptake and release of condensation
- Passive corrosion protection
- Insulating properties
- Elastic
- Temperature resistant from -40 °C to +140 °C
- Adheres to most substrates and surfaces
- Can be applied to horizontal, inclined and vertical surfaces (no roof pitch required)
- Non-hygroscopic
- Toxicologically safe in case of fire (ISO5659-2), non-flammable
- Emission-free
- Permeable

### Use

KefaTherm anti-condensation can be used in industry and construction on all insulated and uninsulated surfaces and also works as thermal insulation for concrete and wood, pipes, tanks, ceilings and walls made of steel, aluminium, etc. It is **not** suitable for surfaces that are constantly exposed to stagnant/running water.

### Application

KefaTherm can be applied subsequently by means of airless spray equipment or industrial coating systems. If needed, it can be tinted with any dispersed, water-soluble full-tone colour (up to 8%). The standard colours are white and grey. In case of smaller jobs, KefaTherm can also be applied with a brush or roller. In this case, the required layer thickness of the material must be built in two stages.

### Not to be used in temperatures below +5°C

#### 1. Conditions and pre-treatment

KefaTherm has good adhesion to the most common substrates used in concrete, wood and metal constructions (exception: "greasy plastics" such as polyethylene). Ensure that the surfaces are dry before applying. Before using, it must also be clear whether the conditions for adequate air circulation are present at the corresponding object.

Highly absorbent surfaces require priming with KefaSeal (Material requirement: approx. 150 g/m<sup>2</sup>, allow 2–3 hours for drying), and high-gloss lacquered surfaces require an adhesive primer. Any separating substances such as dirt, oil, etc. must be first removed. Likewise, rust must be removed and treated with rust protection before coating.

#### 2. Equipment

It is recommended to use airless spray equipment for processing. When doing this, use gloves and a face mask!

Important: When using airless spray equipment you must first remove all their filters. Replaceable nozzle: 437 or 537

#### 3. Coating with KefaTherm

Stir KefaTherm well with a low speed electric mixer.

# KefaTherm

## technical application data sheet



### Material requirement of KefaTherm

600 to 900 g/m<sup>2</sup> wet material is required for normal to higher condensation, whereas 1,200 g/m<sup>2</sup> is required for very high condensation. Apply using the two-layer method from 900 g/m<sup>2</sup> upwards. (Important: For the microporous surface to successfully develop its physical action, the layer thickness must be at least 600 g of wet material per m<sup>2</sup>.)

### Drying

Drying time is approx. 8 h at 20 °C. Provide adequate air circulation during application and drying time.

### Cleaning

Clean tool with clean water.

### Hazard class: 0

Never paint over KefaTherm with other materials or clean with high pressure cleaner!

EU VOC limit values category A/i 140 g/l

KefaTherm Airless VOC 13 g/l

Never allow the product to enter drainage system, waterways or soil. Only the empty containers may be disposed of for recycling. Dispose of dried-off material rests with household waste or construction waste. Liquid residues must be disposed of in an appropriate public collection point. Observe the product information! Store away from frost. Protect from direct sunlight.