

# Combitherm

## Concrete duvets

### Ensure stable temperatures for an optimised curing process

In the concrete industry, it is essential that temperature development during curing of concrete elements take place under controlled conditions to ensure a higher and more uniform quality.

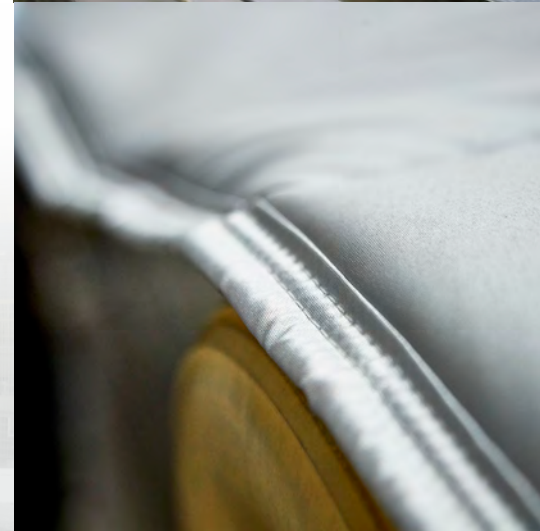
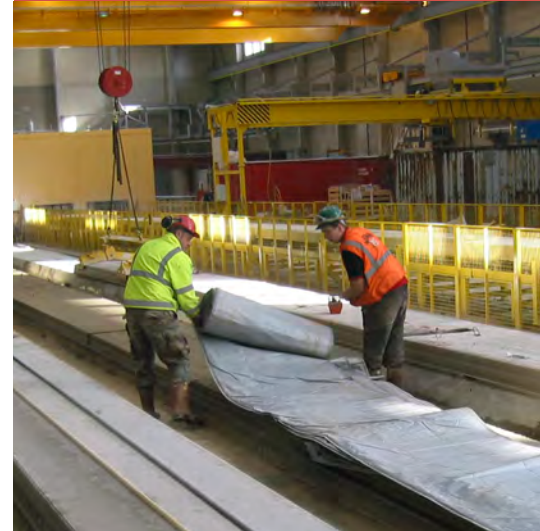
Combitherm thermal concrete duvets are tailored to the specific casting job in order to fit optimally to the mould, retain moisture and contribute to energy savings in production. The concrete duvets are therefore the ideal insulation solution when casting larger concrete elements.

#### Quality, Inside Out

Combitherm thermal concrete duvets have been developed with a focus on quality and durability. The thermal solution is based on a multi-layer construction with efficient Polywool insulation with spiral polyester fibres as well as a strong foil, which, together with the insulation, ensures that heat and moisture are retained in the concrete elements to optimise the production process.

#### Noticeable advantages

- Insulation from 78% rPET fibres
- Ensure higher and more uniform quality
- Optimised curing even with significant temperature fluctuations
- High insulation capacity and less energy consumption
- Optimised material consumption
- Can be placed directly on the concrete element
- Replace the normal two work steps with foil and insulation
- Reduce energy consumption from external heat sources
- Raise surface temperature during curing



Find more info here  
[en.combitherm.dk](https://en.combitherm.dk)

## Customised thermal solutions

Individual design and high flexibility ensure easy handling and effective covering of concrete elements.

The concrete duvets retain the heat and moisture of the concrete elements, ensuring the most optimal conditions during curing.

Combitherm thermal concrete duvets may be manufactured in different sizes, shapes, foil types and insulation thicknesses adapted to individual production conditions.

## Caring about the environment

An uncompromising choice of materials and a proven design mean that Combitherm thermal concrete duvets have a long lifespan and can be reused time and time again.

Polywool insulation consisting of 78% recycled fibres helps to increase sustainability and overall the effective insulating ability means that the thermal concrete duvets meet all needs for an efficient and durable thermal solution when casting concrete elements.

## Technical specifications

### Three-layer construction of:

Inner and outer foil: PP (polypropylene),  
TEX-PUR: 85% PES (polyester), 15% PU (polyurethane)

Polywool insulation: PET (polyester fibre),  
with up to 78% rPET, 120 g/m<sup>2</sup>

Colour: PP: Natural white and silver grey,  
TEX-PUR: Silver grey

Weight: PP: 350 g/m<sup>2</sup> +/- 5%, TEX-PUR: 480 g/m<sup>2</sup> +/- 5%

Temperature: PP: Up to 80°C, TEX-PUR: Up to 160°C



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We are now using the concrete duvets for all balconies, in order to ensure a uniform quality on the underside of the balcony and to avoid quality differences in the surface structure of the individual balconies.

*Michael Klaus,  
Weber Betonwerk*