Intelligent Heated Formwork

Managing CO_2-reduced concrete efficiently

Formwork & Scaffolding.
We make it work.

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The Intelligent Heated Formwork prototype developed by Doka is revolutionising the use of CO_2 reduced concrete in practice. Targeted, moderate electrical heating accelerates the concrete curing process, enabling the use of more climate-friendly concrete mixes, even in winter. Additionally, standard concrete mixes, when combined with the Intelligent Heated Formwork, show accelerated early strength development.

Sustainable

On the way to NET ZERO

- Substantial potential savings in CO_2-consumption in connection with CO_2-optimised concrete mixes, especially when used in the cold season
- Significant contribution to the decarbonisation of the construction industry, especially when using highly CO_2-reduced concrete mix designs

Economical

- Savings due to low heating costs compared to compared to traditional methods (e.g. enclosure, heating by means of fan heaters, thermal insulation, etc.)
- Can be used universally in walls and slabs
- Simple and quick application through use in standard Doka framed formworks
- Optimisation of the heating performance by monitoring the early strength development of the concrete using Concremote

Reliable and safe

- Pouring concrete regardless of the season, even at very low temperatures due to heating option (simple modular expandability of standard framed formwork on demand)
- Same construction process, whether in summer or winter

Test construction site in Trondheim, Norway

Test construction site in Vienna, Austria

Concremote as part of the prototype development of the Intelligent Heated Formwork

Discover more now: **www.doka.com/intelligent-heated-formwork**

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