The Efficiency
MULTIBETON
Surface Heating
and Cooling

Quality ist the best guarantee.

Economics

Efficiency

Ecology

Integration

Insulation

MULTIBETON

The efficiency
"MULTIBETON surface heating and surface cooling"

Economics

The top priority of a technical innovation at MULTIBETON is always quality in materials, production and workmanship. This savings are in the right place. A quality product such as MULTIBETON automatically entails good and fast installation, saving expensive installation tools and high lasting value. Adding other efficient and helpful developments to this package gives you what may at first appear to be a pricey product, but when considering all factors related to construction it's often less expensive than reputed low-cost suppliers. MULTIBETON has obtained numerous patents for technical innovations. In addition, MULTIBETON underfloor heating is quite cost-effective to operate. There are cost comparisons with conventional heating systems which entail heating costs that are so high that the heating costs alone will pay off for the acquisition costs of the MULTIBETON underfloor heating in about 10 years. In Janary 2009 and January 2010, MULTIBETON measured a 250 m² house (house heated with MULTIBETON.) near Bonn. The outdoor temperatures were at least between -12 °C and -20 °C. The maximum flow temperature was just 32 °C at an indoor temperature of 21 °C. The house needed 11.500 kWh per year and is considered to be energy efficient still today.

Efficiency

Even in the 1970s, MULTIBETON was a "friend of energy savers". This motto is now more topical than ever. Gas, oil and electricity prices are rising and builders are demanding cost-effective, independent heating systems. The low consumption data with MULTIBETON underfloor heating and cooling comes from how it is positioned in the room and the installation geometry. This ensures a large percentage of heating or cooling is delivered to the user directly in form of radiant energy. Even walls, ceilings and furniture are temperature controlled, which people perceive as very comfortable, as the temperature differences between all bodies in the room is relatively low compared to convection heating. Humans are by evolution designed to absorb sunlight and can absorb it perfectly through the skin. This is why with MULTIBETON underfloor heating, people will feel comfortable and warm faster. MULTIBETON underfloor heating is operated at low heating temperatures. More humidity is preserved, which is beneficial to the health.

Ecology

MULTIBETON systems use our planet's raw materials and energy resources sparingly. MULTIBETON system components are 100 % recyclable and 100 % energy-efficient.

Integration

MULTIBETON surface heating and cooling is hidden in the screed or wall plaster.

Insulation

Using the MULTIBETON steel clip rail means only low-cost standard insulation is used. Aluminium lined PUR insulation, e.g. in the basement, or system plates can be waived with MULTIBETON.

The MULTIBETON efficiency is pink.
The system pipes of the MULTIBETON underfloor heating and surface cooling also have the color pink.
Pink stands for pleasant comfort
with high energy efficiency.

09/2026

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