
PARQUET FLOORING ON UNDERFLOOR HEATING



SCHEUCHER®



**DID YOU KNOW THAT YOU CAN SAVE UP TO 6% OF HEATING COSTS BY
USING JUST 1°C LESS ENERGY TO HEAT YOUR HOME?**

Today, almost every second builder is opting for underfloor heating. The reasons for this are self-evident. The mild heat radiated from below is innovative, environmentally sound, clean and cosy.

Underfloor heating radiates heat across a large surface area so, compared to conventional radiators, it is possible to maintain ambient humidity within an optimum range of 30 to 65% more easily. Consequently, the room temperature can be reduced by as much as 3°C with the same feeling of warmth.

COLOURFUL VARIETY LENDS WINGS TO THE POWER OF IMAGINATION. SMART TECHNOLOGY ENABLES NEW INTERIOR SPACES TO BE CREATED.

Calculation of the inlet temperature for underfloor heating

The heat emitted by your underfloor heating can radiate into your interior spaces with a low level of thermal resistance of just 0.078 m²K/W. In addition, the low installation height, measuring just 11 mm, creates a simple and unrestricted connection to other floor coverings in your home and, with its 3.6 mm wearing layer, it can be renovated several times. That is true sustainability!

Let us calculate an approximate but typical underfloor heating system for you.

OUR ASSUMPTION: new-build, hot water underfloor heating with a standard power rating of approx. 60 W/m², laid in 70 mm of screed with a 45 mm covering. Spacing between heating tubes of 10 cm, 20°C room temperature in accordance with normative design temperature for living spaces as defined in EN 1264.

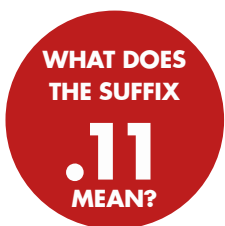
$$q = \frac{1}{R_T} (T_e - T_i)$$

60 W/m² Power rating of underfloor heating
24 °C Surface temperature

			approx. temp required for screed surface	approx. heat supplied to underfloor heating
MULTIfloor.11 cemented across entire area	0.790 R _t	12.66 1/R _t	30.9 °C	34.1 °C
Multi-layer parquet floor 14 mm cemented across entire area	0.101 R _t	9.90 1/R _t	32.3 °C	35.4 °C
Multi-layer parquet floor 14 mm floating	0.148 R _t	6.76 1/R _t	35.1 °C	38.2 °C
Solid parquet flooring 22 mm cemented across entire area	0.174 R _t	5.75 1/R _t	36.3 °C	39.8 °C

For the same room temperature, **MULTIfloor.11 NOVOLOC® 5G** requires between 1.3°C and 5.7°C less inlet temperature than comparable parquet flooring. An almost identical result is obtained by the graphic calculation of the required inlet temperature based on standard design diagrams. **This can be converted into a real cash saving.**

In Austria, an average household consumes approx. 17,000 kWh of thermal energy on an annual basis. The average costs for gas heating systems amount to between 16 and 20 euro cents per kWh. With an energy saving of approx. 6%, resulting from the difference in the lower inlet temperature of at least 1 to 2°C, that computes into an annual **saving of € 184**. Which means this is not only kind to your wallet, it is also helping to protect the environment. That is genuine sustainability with our **MULTIfloor.11 NOVOLOC® 5G!**



MULTIfloor .11 NOVOLOC® 5G

New structure for softwood to achieve even lower CO2 footprints while retaining a floor thickness of 3.6 mm, using state-of-the-art joining techniques and with the familiar attractive product range.

Surface finish SEDA | PUROTEC | TENSEO

Approx. 3.6 mm wear layer from selected solid wood

Core layer of quarter sawn European conifer wood

5G-interlocking system

2 mm spruce bottom veneer sanded

Ends with hydrophobic impregnation, prevents humidity and reduces creaking of wood

WEARING LAYER: 3.6 MM
TOTAL THICKNESS: 11 MM

CORE LAYER:
CENTRAL EUROPEAN SOFTWOOD
SPRUCE/PINE

REVERSE SIDE: SPRUCE VENEER

NOVOLOC® 5G INTERLOCKING SYSTEM

GLUE DOWN INSTALLATION



PARQUET FLOORING
100% MADE IN AUSTRIA

www.scheucherparkett.at

