



Art. No. 104400 *tempusDRY* NATURE 30-16 AB

The panel element from the *tempusDRY* NATURE 30-16 AB product series, made of annually renewable natural fibres and manufactured in accordance with DIN 13171 and DIN 4108-10, enables the installation of a panel heating system of type B in accordance with DIN 18560 and DIN EN 1264 on solid or wooden joist ceilings in conjunction with a suitable load distribution layer, screed elements and wet screeds.

To make the installation of the pipelines easier, milled grooves lined with aluminum sheets are prepared ex works. The sheets are fixed in place by a patented mechanical process. This makes it possible to separate the material by type, which is important for the recycling process. The aluminum sheets ensure optimum heat cross-distribution. The Ω -pipe guide ensures that the pipe is held securely in the plate. It also ensures that the system is easy to walk on. Due to its low linear expansion and low restoring force, a metal-plastic composite pipe is recommended.

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| Thermal conductivity | 0,050 W / (m K) |
| Thermal resistance | R = 0,55 m ² K / W |
| Impact sound improvement in the structure * | ΔL_w up to 22 dB , * on request |
| Thermal capacity | C = 2100 J / (kg K) |
| Density | Approx. 240 kg / m ³ |
| Compressive strength | 150 kPa |
| Installation distance | 125 mm |
| Pipe diameter | 16 mm |
| Fire class | E in accordance with EN 13501-1:2000 |
| Panel dimensions | 1.000 x 500 x 30 mm |
| Packaging unit | 5 pcs. |

