

KWD-globalpipe 268

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VARIOTHERM: First Production Plant for Lining Boards with Integrated : Multilayer Pipes KWD-globalpipe, 2008-01-29, No. 268



Opened in 2003, Variotherm's **revolutionary new production plant** for lining boards with integrated heating pipes was the **first and only one of its kind in the world**; until then such boards had been more or less "hand cut". + + + The new, fully automatic plant inserts the multilayer pipes into grooves in the underfloor heating dry lining board. This enables Variotherm to produce **modular wall heating and compact underfloor heating boards** considerably **more cheaply**, as well as more quickly and more flexibly. As a result, the price of wall heating boards could be **reduced by up to 17%**, and the **price of compact boards for underfloor heating by as much as 31%! + + +** Based on these new low prices, Variotherm is now in a position for **boards with integrated heating pipes to break through on to the market** (until now price was often an obstacle to the use of this new technology. No surprise, given that the **pipes had previously** to be inserted into the boards "**by hand**"...). + + + Variotherm's new production plant not only makes the manufacturing process **cheaper**, speedier and more flexible, but has also enabled targeted improvements to production technology; including, for example, a further increase in heat conductivity, flexible board sizes and greater safety for the installer on site. + + + In the future the new plant will produce not only **modular wall heating and compact underfloor heating boards**, but also **Variotherm ceiling cooling systems**. These **ceiling cooling systems are based on an advanced technology** recently developed by Variotherm (with pilot systems already being used satisfactorily by customers). The new production plant has been designed to **operate**

with minimum possible energy consumption. The dry lining plasterboards are manufactured exclusively by **FERMACELL**.

VARIOTHERM: The New Varioklima 16x2 Multilayer Pipe Variotherm has produced yet another innovation, namely: the **first and only 5-layer 16x2** multilayer pipe **with a 0.25 mm aluminium layer**. The **first generation** of Varioklima pipes with a **roughened surface**, to guarantee optimal plaster adhesion and heat conductivity, was launched on the market **in 1996**. The latest **2nd generation** Varioklima pipe offers **absolutely unique, cutting-edge technology** for wall and underfloor heating and, moreover, is even better value than the old Varioklima pipe. The **0.25 mm aluminium layer** is just as pressure and temperature resistant (12 bar, +95°C) as the 0.4 mm thick aluminium of its predecessor. + + +

Variotherm has issued the following customer information: “We have **reduced the aluminium inliner pipe from 0.4 to 0.25 mm**, as this pipe is used solely for wall and underfloor heating. **A positive side effect:** our Varioklima pipe undergoes constant **environmental monitoring**. The latest report sees the elimination of 0.15 mm of aluminium layer as a further very positive development. **Additional advantages:** despite general price increases, the price of Varioklima pipe has **fallen by 1.5%**. Moreover, these new pipes are available from now in **300m and 100m rolls**. This reduces the number of joints and cuts required. And – the 300m roll is currently **boosting our sales** – we have already gained **several excellent new customers** from PEX pipe competitors.”

