

KOMFORT HUSENE introduce Danish passive house windows

From now on, there will be alternatives to the foreign passive house windows which have so far been the only ones on the market here.

Two Danish manufacturers are ready to market windows which meet the magic 0.85 U value limit required for certification of passive house windows.

Vildbjerg Vinduet is one of them. In recent years, the company has delivered windows for a number of buildings built according to Building Regulations Class 1, including for 12 houses in Herfølge designed by Arkitektfirmaet Finn Prip, Nykøbing Falster, who is also responsible for one of KOMFORT HUSENE (the comfort houses).

“Our Energy Windows meet the requirements of Class 1, but as the requirements for passive houses are even higher, we had to do some development work when we won the order for windows for one of KOMFORT HUSENE,” says sales manager Carl Mahler, Vildbjerg Vinduet.

Vildbjerg Vinduet's development department set to work, and at almost the same time as the windows were to be delivered to Skibet, the target of compliance with the U value requirement was met.

“We had to change the construction several times, but the Technological Institute in Århus has now determined that we comply with the requirement for the window that was to be built in,” says Carl Mahler.

“Denmark is 10-15 years behind when it comes to passive house windows. Without doubt, there is a market, because we get two to three enquiries every day,” says Carl Mahler, who says that the company is working towards Swan Marking of its products.

Window casement in composite materials

It is characteristic of German passive house windows that they have relatively strong casements that open inwards.

Pro Tec Vinduer's Pro Tec 7 (seven) is different in both respects.

“Using a fibreglass reinforced composite casement, we can reduce the thickness to 56 mm. This means that a slim and elegant feeling can be retained on the building facade, fitting in well with Scandinavian architecture, says business development manager Nikolaj Haulrik, who also thinks that Pro Tec 7 has export potential.

Pro Tec Vinduer has been working on “the window of the future” since 2003, when the company reached the final of a competition to develop the windows of the future for the buildings of the future, issued by the Danish Building Research Institute and Grundejernes Investeringsfond (the Core owners Investment Fund).

“We subsequently chose to continue focusing on new buildings, and this has led to the launch of Pro Tec 7,” says Nikolaj Haulrik.

Pro Tec Vinduer has just won the Product Prize awarded by Ingeniøren magazine for Pro Tec 7, which Nikolaj Haulrik also expects to be used in types of buildings other than passive houses.

“Our new window insulates twice as well as traditional low energy windows,” says Nikolaj Haulrik.

Pro Tec 7 is CE certified.

Further information can be obtained from the two manufacturers:

Vildbjerg Vinduet, phone no. 97 13 18 23, www.vildbjerg-vinduet.dk

Pro Tec Vinduer, phone no. 97 41 30 77, www.protecvinduer.com