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## Press Release

12 July 2013

### Debut in California: very first US windows Passive House Certified

#### Prof. Feist commends pioneering spirit of manufacturing companies

*Darmstadt.* The growing popularity of Passive House components has reached the United States. Casagrande Woodworks has been awarded a Passive House Institute Certificate for its window "Synergist". The highest efficiency category pH<sub>A</sub> was achieved despite a short development period. At the same time, the "CaliPassiv" from Wooden Window reached the requirements of the standard. Experts within the sector are confident that local availability of Passive House components will provide an impetus for energy-efficient building in the US.

"High-quality, energy-efficient building components are a decisive factor for the success of the Passive House concept", says Dr. Benjamin Krick, head of component certification at the Passive House Institute in Darmstadt, Germany. The fact that window manufacturers now offer appropriate products in the USA is a promising development. Wolfgang Feist, director of the Passive House Institute, also commended the pioneering spirit. "It's a small step for a company – but a big leap for global sustainability", he tweeted on Tuesday.

The frame of the "Synergist" window consists of wood (spruce, fir, 0.11W/(mK)). In addition there is cork insulation, and Spaceloft insulation of the glazing rebate as well as a spacer with a secondary seal of butyl. The glazing thickness is 44 mm (4/16/4/16/4); the glazing depth is 15 mm. An overall U-value of 0.79 W/(m<sup>2</sup>K) is stated in the Passive House Certificate – with a glass U-value of 0.7 W/(m<sup>2</sup>K).

The new window is the result of a cooperation of Casagrande Woodworks with Rangate, Alpine Technical Workshops and other partners. The companies involved will present the "Synergist" window at the specialists' conference "Passive House North 2013", to be held in Vancouver, Canada, on 27 & 28 September 2013. Feist and other representatives of the Passive House Institute will also be attending the conference.