

## Press Release

### Ensinger offers $U_w$ calculator in app form

04.02.2015

**Ensinger, manufacturer of Thermix warm edge spacers recently launched an app version of its  $U_w$  calculator to determine the thermal transmission coefficient of windows. The app is available in both an android and iOS version, in 11 different languages.**

With the  $U_w$  app from Ensinger, users can now calculate the thermal transmission coefficient of windows in compliance with EN ISO 10077-1. The  $\psi$  (in other words Psi) values of Thermix spacers taken into account in the calculation are based on representative frame profiles and glazing in compliance with the [Data sheet of the German Flat Glass Association](#) (within the scope of validity of [Guideline WA-08/2 of the Institute of Window Technology \(ift\)](#)).

"In just a few moments it is possible to tell how good a window actually is from the thermal insulation point of view", explains Dr. Albert Lingens, Head of Thermix Sales at Ensinger. "To date, people have simply managed using table values, although the results were often poorer and less precise. Using this app, architects, planners and window manufacturers can calculate the  $U_w$  value both quickly and correctly. This is a really useful aid, particularly when dealing with more complex windows, such as those with bars."

The first thing to do when using the app is to select the calculation basis, then the required frame material and frame width. There are a variety of frame types stored in the system: Wood, PVC, aluminium and wood-aluminium. The next stage is to choose the spacers, the glass and window geometry. Double and triple glazed window units can be calculated. The information can then be supplemented by the number of sashes, the temperature range and the type and orientation of bars.

The  $\psi$  values of the spacers are also included in the calculation, as are facts about the bars. After performing the calculation, a PDF document can be created for saving or printing out. The configured system is also graphically displayed. The app is available in 11 language versions.

2,064 characters (including spaces)



The Thermix  $U_w$  calculator is available free as an app in 11 languages, the iOS version from the Apple Store and the android version from the Google Play Store.

### **About Thermix®**

Using Thermix® TX.N® plus spacers helps to significantly reduce heat loss at the glass edge, while the periphery of the window on the room side remains warmer, lending the glass a “warm edge”. Higher temperatures at the glass edge on the room side prevent the formation of condensation, ensure less cold air radiation near the window and so help achieve a healthy room atmosphere. This technology also helps users to achieve significant energy cost savings and at the same time makes a valuable contribution to improving the energy efficiency of buildings. For more information, go to [www.thermix.de/en](http://www.thermix.de/en)

### **About Ensinger**

The Ensinger Group is engaged in the development, manufacture and sale of compounds, semi-finished materials, profiles and technical parts made of engineering and high performance plastics. Ensinger uses a wide range of manufacturing techniques including extrusion, machining and injection moulding. With a total of 2,100 employees at 27 locations, the family-owned enterprise is represented worldwide in all major industrial regions with manufacturing facilities or sales offices. For more information, go to [www.ensinger-online.com](http://www.ensinger-online.com).

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