



GENERAL PRODUCT INFORMATION

All **ENERGATE** systems are available as an entire system family, meaning fixed window elements, tilt & turn, tilt, parallel sliding doors, folding sliding doors, side entrance doors, frame- and slab door constructions and various combinations thereof.

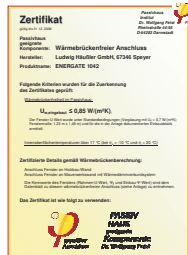
Additional security fittings, magnet contacts, security and/or soundproof glazing, disability friendly ground sills and customized solutions are available on demand from our factory.

WE ARE HERE TO HELP YOU

Let us find the best possible solution for your project together. We will answer all of your questions. If you require additional information, or would like to find out more about how you can benefit from our **ENERGATE** windows, feel free to contact us.

STEP-BY-STEP TO YOUR **ENERGATE**® SYSTEM

Call us for a free quote without obligation or simply visit us online. In order to create an appropriate quote, we require the dimensions of your windows. Measure the width and height of the window and door openings or send us your planning documents. Prior to production one of our highly qualified specialists will take the exact measurements. You will then obtain a detailed order confirmation. Customized production begins as soon as your order has been released. We arrange the installation date with you. And finally we carry out the acceptance of performance of your **ENERGATE** windows. We look forward to hearing from you.



Certificate **ENERGATE 1042**
Passive House Institute Dr. W. Feist

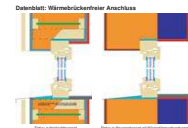
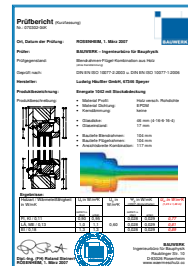


Table with technical specifications for ENERGATE 1042, including U-values and g-values.

Product specification **ENERGATE 1042**
Passive House suitable component



Test report **ENERGATE 1042:**
Frame-wing combination,
tested at $u_g=0,5W(m^2K)$ and
 $u_g=0,6W(m^2K)$



Certificate **ENERGATE 1042+**
Passive House Institute Dr. W. Feist

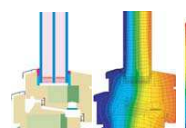
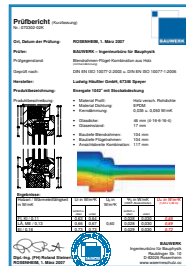


Table with technical specifications for ENERGATE 1042+, including U-values and g-values.

Product specification **ENERGATE 1042+**
Passive House suitable component



Test report **ENERGATE 1042+:**
Frame-wing combination,
tested at $u_g=0,5W(m^2K)$ and
 $u_g=0,6W(m^2K)$

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ENERGATE 1042/1042+®

PRODUCT PORTFOLIO

WINNER OF THE "US GREEN BUILDING COUNCIL AWARD 2007"



WINNER OF THE SOLAR DECATHLON 2007
International Architecture Competition in Washington D.C.



ENERGATE 1042/1042+[®]



PRODUCT OVERVIEW

ENERGATE 1042[®]

$U_w \leq 0,77 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,60$]
 $U_w \leq 0,70 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,50$]

Endurance test certified
(20.000 opening cycles)

Slender profile
(82mm fixed frame/117 mm tilt & turn)

Up to 10 years guarantee on the quadruple coated High-Tech surface

High energy radiation passage
 $g(\text{EN410})=51\%$ (see certificate)

Häußler Passive Therme $u_g=0,6 \text{ W/m}^2\text{K}$

Häußler Ultra Therme $u_g=0,5 \text{ W/m}^2\text{K}$

Ultra-high energy special glazing

Häußler carbon-fiber spacer
 $\text{psi}=0,028 \text{ W/m}^2\text{K}$

Slender wing profile in HFV design

2 continuous sealing gaskets
with embedded fittings, for best
results with blower door tests

Wing and frame with Aluminum
cover for maximum
weather protection



FSC certified version available!

- Passive House Institute certified thermal bridge free connection
- Frame insulation $u_R=0,90 \text{ W/m}^2\text{K}$
- Multiple laminated timber profile

At an ambient temperature of -10°C and a room temperature of $+20^\circ\text{C}$ the surface temperature of the window has been measured at $+17^\circ\text{C}$, which provides coziness and warming well-being in close proximity to the window.

ENERGATE 1042+[®]

$U_w \leq 0,68 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,60$]
 $U_w \leq 0,61 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,50$]



- Passive House Institute certified frame
- Frame insulation $u_R=0,68 \text{ W/m}^2\text{K}$
- Multiple laminated timber profile with highly efficient insulation material

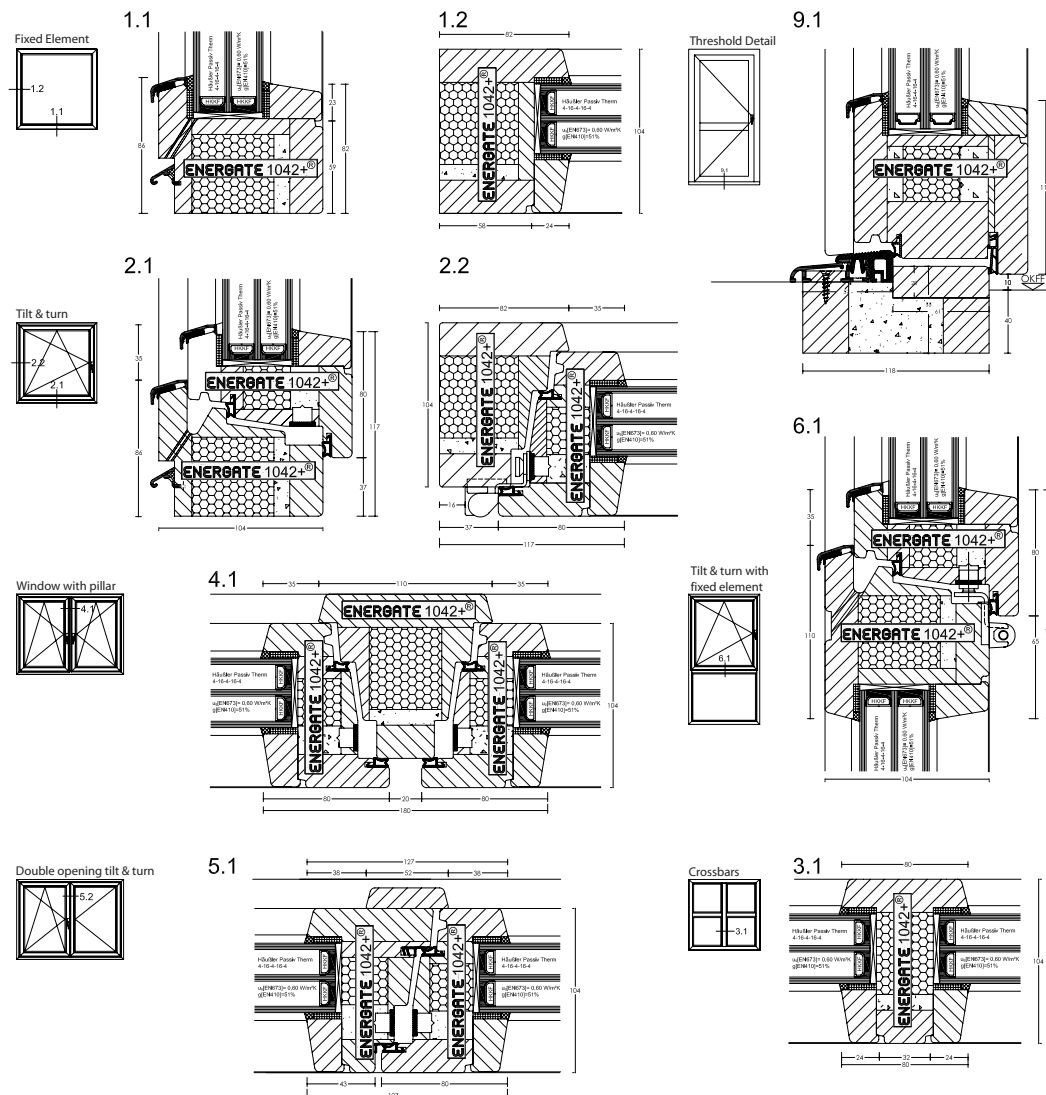
At an ambient temperature of -10°C and a room temperature of $+20^\circ\text{C}$ the surface temperature of the window has been measured at $+17^\circ\text{C}$, which provides coziness and warming well-being in close proximity to the window.

Further information for ENERGATE 1042[®] and ENERGATE 1042+[®]:

- Concealed one-handed tilt and turn fittings (Manufacturer: Siegenia-Aubi Titian IP)
- Additional security through two rugged security locks per wing
- Windows below the size of 520mm width and 490mm height can not be fitted with security locks
- Indigenous timbres (spruce/pine/oak) are available from stock. Further selections of timbres are available on demand.
- We reserve the right to amend our technical documents

SYSTEM PROFILES

The below mentioned system profiles are a small selection from our assortment. All ENERGATE systems are available as an entire system family, meaning fixed window elements, tilt & turn, tilt, parallel sliding door, folding sliding door, side entrance door, frame- and slab door constructions and various combinations thereof.



All of the shown profiles are from the ENERGATE 1042+ series. Optic, profiles and measurements of the ENERGATE 1042 and ENERGATE 1042+ series are identical. The main differences between the shown elements are the varying insulation values.