



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 glazing from the Passive House Institute Dr. W. Feist



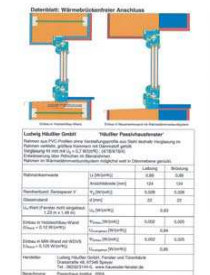
Certificate thermal bridge free wall connection from the Passive House Institute Dr. W. Feist



Product specification frame-wing combination



Product specification frame-wing combination



Data sheet thermal bridge free wall connection



Product specification frame-wing combination

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ENERGATE 763/763+[®]

PRODUCT PORTFOLIO



ENERGATE 763/763+[®]

PRODUCT OVERVIEW



ENERGATE 763[®]

$u_w \leq 0,80 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,60$]



- Endurance test certified (20.000 opening cycles)
- Slender profile (72mm fixed frame/121 mm tilt & turn)
- UV resistant, impact proofed, easy to clean, weather resistant PVC 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 $\text{psi}=0,028 \text{ W/m}^2\text{K}$
- Additional stiffness due to gummed glazing
- Slender wing profile in HFV design
- Frontal or hidden drainage channel

- Highly insulated profiles
- Frame insulation $u_R=1,00 \text{ W/m}^2\text{K}$
- 3 gaskets
- Frame and wing strengtheners made of galvanized and cold milled steel (available on demand)

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 $+14^\circ\text{C}$, which provides coziness and warming well-being in close proximity to the window.

ENERGATE 763+[®]

$u_w \leq 0,72 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,60$]
 $u_w \leq 0,66 \text{ W/m}^2\text{K}$
[DIN EN ISO 10077 $u_g=0,50$]



Passive House Certified (see Certificate)

- 100 % insulation of the frame
- Frame insulation $u_R=0,77 \text{ W/m}^2\text{K}$
- 3 gaskets
- Frame and wing foam filled
- Slender profile cross section through patented middle gasket

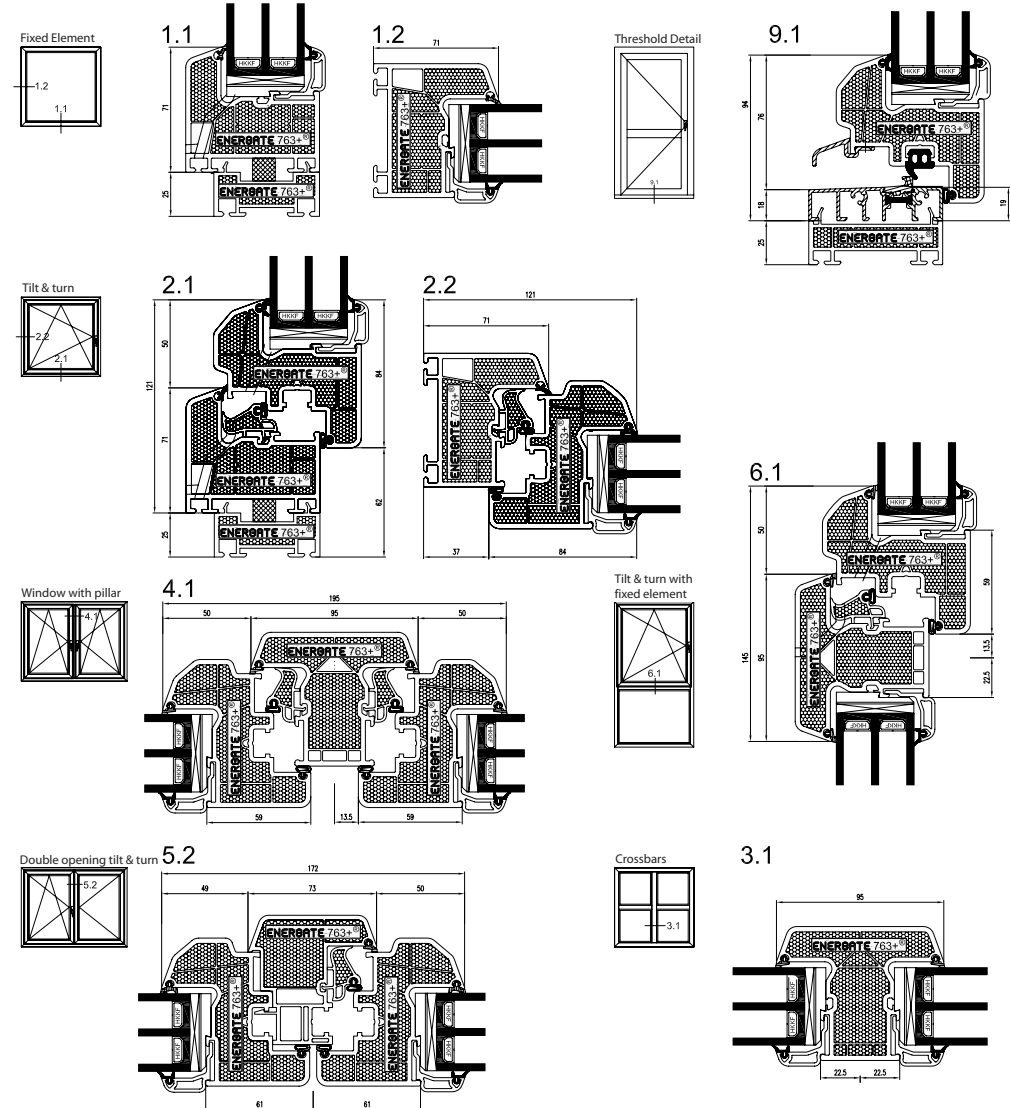
At an ambient temperature of -10°C and a room temperature of $+20^\circ\text{C}$ the surface temperature of the window has been measured at $+17^\circ\text{C}$, which provides coziness and warming well-being in close proximity to the window.

Further information for ENERGATE 763[®] and ENERGATE 763+[®]:

- 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
- We reserve the right to amend our technical documents

SYSTEM PROFILES

The shown 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 763+ series. Optic, profiles and measurements of the ENERGATE 763 and ENERGATE 763+ series are identical. The main differences between the shown elements are the varying insulation values.