



$$U_w = 0.76 \text{ W}/(\text{m}^2\text{K})$$

\*reference construction dimensions: L 1480 x H 2180 mm  
 $U_g = 0.5 \text{ W}/(\text{m}^2\text{K})$ , triple glazing

## TECHNICAL PARAMETERS

Filling thickness and type	up to 78 mm
Frame depth	PE68 - 96 mm, PE78N - 106 mm
Sash depth	PE68 - 106 mm, PE78N - 116 mm
Thermal break width	PE68 - 32 mm PE78N - 42 mm
Maximum sash dimensions	L 1400 x H 2200 mm
Maximum sash weight	170 kg
Air permeability	class 4
Watertightness	class E1500
Thermal insulation	$U_f$ from 0.96 $\text{W}/(\text{m}^2\text{K})$ $U_w$ from 0.76 $\text{W}/(\text{m}^2\text{K})$
Resistance to wind load	class C5
Resistance to burglary	klasa RC4 wg PN-EN 1627
Bulletproof	class FB4, FB6 in acc. with EN 1522:2000

## Certification

type testing in acc. with EN 14351-1 + A2

## A system designed for the construction of RC4 antiburglary glazed partitions and windows FB4 and FB6 bulletproof windows (PE78N)

- several features preventing and hindering breal-ins, extending the time to breach:
  - reinforced profile construction
  - reinforced glazing beads
  - handle with key
  - handle and hardware drives secured against drilling
- 10 mm rebate allows the use of reinforced hardware
- antiburglary bars and roller shutters not needed
- glazing range up to 78 mm allows the use of IGUs containing secure glass, cl. P6B or better
- easier and quicker assembly due to IGUs not being glued to profiles
- high thermal insulation
- outward appearance identical as non-burglary-rated windows, improving overall building aesthetics
- PE78N FB4 bulletproof windows secured in the external cavity from the attack side with aluminium flat bars (simpler, lighter solution)
- PE78N FB6 bulletproof windows secured with steel flat bars