

**INTEGRATED
3-LAYER
WINDOW SEALING
AND INSULATION SYSTEMS**



WINS
WINDOW
INSULATION
STANDARD

**20
YEAR**
TIGHTNESS
WARRANTY



**NEW WINDOW
INSULATION STANDARD
BASED ON LIQUID FOILS**

TESTED & CERTIFIED BY:



www.wins.tytan.pl

FOR THE FASTEST WINDOW INSTALLATION ON THE MARKET

INSULATION AND SEALING OF JOINERY IN EXISTING BUILDINGS

WINS Fast is a highly flexible, highly resistant to extreme weather system of three-layer sealing and insulation of windows. It protects even the largest windows from deformation, perfectly transfers all building vibrations and maintains tightness even under heavy loads.

RECOMMENDED FOR FAST WINDOWS INSULATION AND SEALING

- ▶ **4x faster installation than in case of traditional textile foils**
- ▶ Precise application and guarantee of long-term tightness
- ▶ 10 years of UV resistance
- ▶ Resistant to hurricanes with a speed of up to 160 km/h
- ▶ 20-year tightness warranty

EXTERNAL 1 AREA	Sd	≤ 2
	Application temperature	+5°C to +30°C
	Minimum coating layer thickness	1 mm
	Minimum gap thickness	10 mm
	Thermal conductivity	0.036 W/mK
INSULATION 2 AREA	Acoustic insulation	62 dB
	Application temperature	+5°C to +35°C
	Full cure time	1.5 h
	Yield	to 70 l
	Fire reaction class	B3
INTERNAL 3 AREA	Sd	≥ 30
	Application temperature	+5°C to +30°C
	Minimum coating layer thickness	2 mm
	Minimum gap thickness	10 mm

Recommended insulation and sealing of joinery in existing buildings:

- Single-layer walls
- Double-layer walls (ETICS)
- Framed walls
- Three-layer walls without a jamb

Possible insulation and sealing of joinery in new buildings



EXTERNAL
LIQUID FOIL



FAST
FOAM



INTERNAL
LIQUID FOIL





WITHOUT
FACADE'S INTACT

FOR FAST REPLACEMENT AND WINDOW RENOVATION

INSULATION AND SEALING OF JOINERY IN EXISTING, INCLUDING HISTORIC BUILDINGS

WINS Fix is a three-layer system that is quick and easy to apply sealing and insulation of windows in the walls with a jamb without disturbing the outer layer of the facade. It provides weatherproof tightness and insulates thermally and acoustically. It eliminates the possibility of condensation and fungus within the reveal.

RECOMMENDED FOR WINDOWS WITH THE JAMB INSULATION AND SEALING

- ▶ Fast installation without damaging the facade
- ▶ Perfect where the facade needs to remain intact
- ▶ Precise application and guarantee of long-term tightness
- ▶ Resistant to adverse weather conditions

EXTERNAL 1 AREA	Sd	< 0.5
	Application temperature	+5°C to +30°C
	Acoustic insulation	59 dB
	Thermal conductivity	0.046 W/mK
	Fire reaction class B1	B1
INSULATION 2 AREA	Thermal conductivity	0.036 W/mK
	Acoustic insulation	62 dB
	Application temperature	+5°C to +35°C
	Full cure time	1.5 h
	Yield	to 70 l
	Fire reaction class	B3
INTERNAL 3 AREA	Sd	≥ 30
	Application temperature	+5°C to +30°C
	Minimum coating layer thickness	2 mm
	Minimum gap thickness	10 mm

Recommended insulation and sealing of joinery in existing buildings and on historical sites:

- Three-layers walls with a jamb

Possible insulation and sealing of joinery in new buildings:

- In case of clinker façade wall with a jamb



FIX
TAPE



FAST
FOAM



INTERNAL
LIQUID FOIL





HIGHLY FLEXIBLE

FOR NEW WINDOWS AND DEMANDING INSTALLATIONS

INSULATION AND SEALING OF JOINERY, JOINERY FOR LARGE APERTURES AND WINDOW SETS IN NEW BUILDINGS

WINS Flex is a highly flexible, highly resistant to extreme weather system of three-layer sealing and insulation of windows. It protects even the largest windows from deformation, perfectly transfers all building vibrations and maintains tightness even under heavy loads.

RECOMMENDED FOR NEW AND LARGE WINDOWS INSULATION AND SEALING

- ▶ 2x faster installation
- ▶ Precise application and guarantee of long-term tightness
- ▶ 10 years of UV resistance
- ▶ **Highly flexible**
- ▶ 20-year tightness warranty

EXTERNAL 1 AREA	Sd	≤ 2
	Application temperature	+5°C to +30°C
	Minimum coating layer thickness	1 mm
	Minimum gap thickness	10 mm
	Thermal conductivity	0.035 W/mK
INSULATION 2 AREA	Acoustic insulation	62 dB
	Application temperature	-10°C to +35°C
	Full cure time	1.5 h
	Yield	to 48 l
	Fire reaction class	B2
INTERNAL 3 AREA	Sd	≥ 30
	Application temperature	+5°C to +30°C
	Minimum coating layer thickness	2 mm
	Minimum gap thickness	10 mm

Recommended insulation and sealing of joinery in new buildings:

- Single-layer walls
- Double-layer walls (ETICS)
- Framed walls
- Three-layer walls without a jamb

Possible insulation and sealing of joinery in existing buildings

EXTERNAL 1 AREA	INSULATION 2 AREA	INTERNAL 3 AREA
EXTERNAL LIQUID FOIL	FLEX FOAM	INTERNAL LIQUID FOIL





1. EXTERNAL LIQUID FOIL
2. FLEX FOAM
3. INTERNAL LIQUID FOIL

HIGHLY FLEXIBLE



1. EXTERNAL LIQUID FOIL
2. FAST FOAM
3. INTERNAL LIQUID FOIL

4X FASTER INSTALLATION



1. FIX TAPE
2. FAST FOAM
3. INTERNAL LIQUID FOIL

WITHOUT
FACADE'S INTACT



CORRECTLY DESIGNED AND EXECUTED SEALING OF THE JOINT BETWEEN THE WINDOW AND THE FRAME IN WINS STANDARD

THE FEATURE OF THE WINDOW - REVEAL JOINT	REFERENCE DOCUMENT	CLASS/LEVEL/VALUE
Resistance to rainwater penetration	EN 1027	pressure 1200 Pa
Resistance to rainwater penetration	EN 12208	class E1200
Air permeability	EN 1026	pressure 600 Pa
Air permeability	EN 12207	class 4
Air permeability	EN 12207	$Q_L \leq 0.46 \text{ m}^3/\text{hm}$
Air permeability	EN 1026	$a \leq 0.1 \text{ [m}^3/\text{hm}(\text{daPa})^{2/3}]$
Temperature coefficient value f_{Rsi}	EN 13788	≥ 0.8
Linear thermal transmittance	PN-EN ISO 14683	$\leq 0.15 \text{ W/mK}$

WINS

WINDOW
INSULATION
STANDARD



Air tightness



Resistance to extreme
weather conditions



Water vapour
diffusion



UV resistance



Thermal and acoustic
insulation



Suppressed vibrations
in window gaps



Protection against
mould and fungal



Indoor
air quality

20
YEAR
TIGHTNESS
WARRANTY

CERTIFIED WINS CONTRACTOR

Become a **certified WINS contractor** and receive a 20-year warranty on the window insulation and sealing of WINS systems.

Go to www.wins.tytan.pl and invite a WINS representative at the construction site.

