

E45

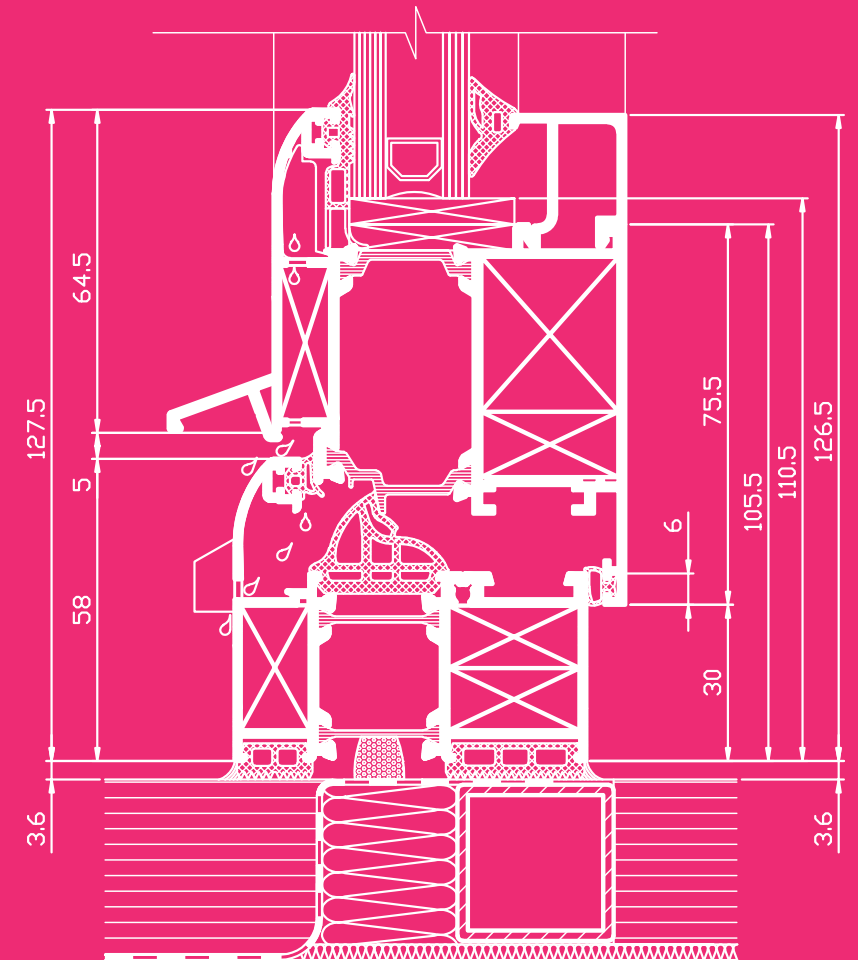
**THERMO-BREAK
WINDOW SYSTEM
WITH IMPROVED
PERFORMANCE**

DEC/2010

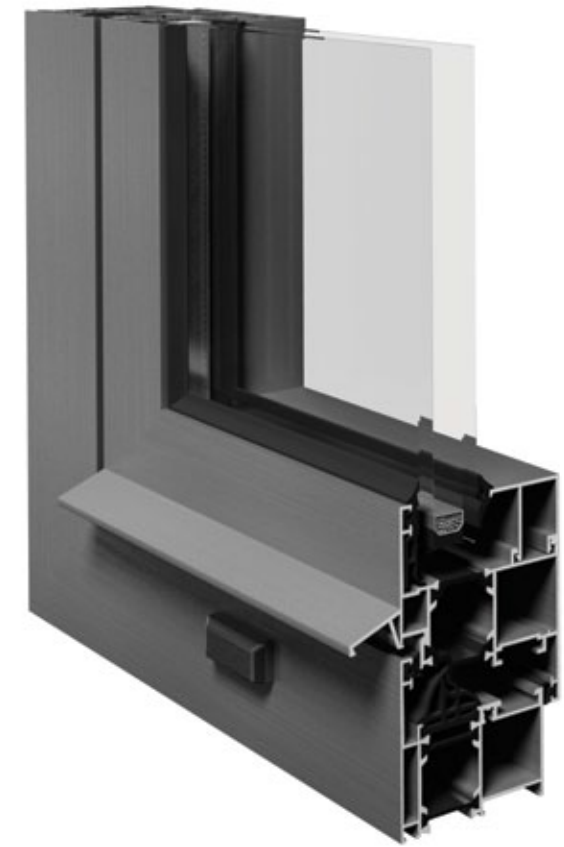
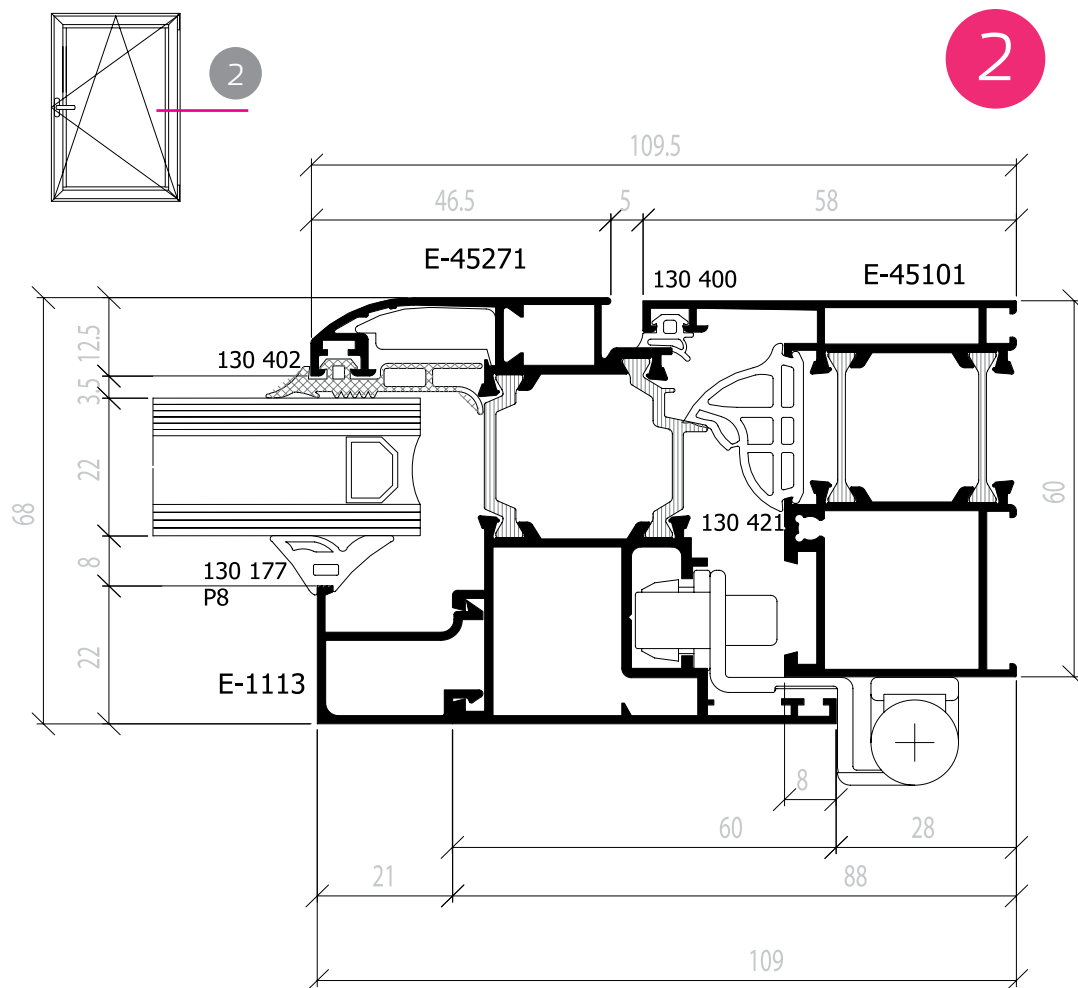


ELEGANT STRAIGHT OR CURVED LINE 60 MM SYSTEM WIDTH IN CASE OF STRAIGHT LINE TYPE AND 67.5 MM WIDTH IN CURVED TYPE

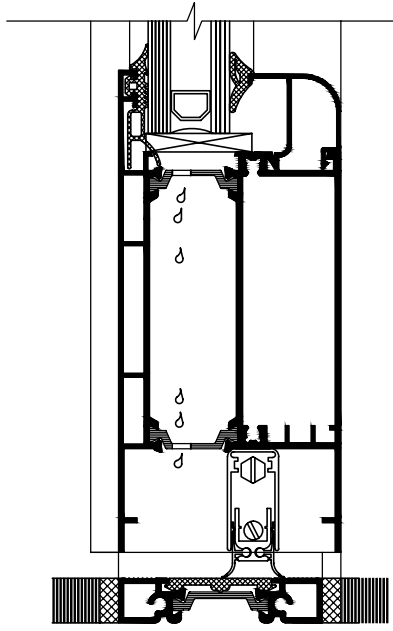
- Optimized for the highest structural stability whilst using a lower amount of aluminium content
- Profile reinforcement at load bearing points
- Opening elements - opening at vertical axis, tilt and turn, opening at top or bottom horizontal axes, folding doors, parallel sliding
- Reliable pivot mechanism



- Window sashes for PVC hardware which enable: multiple locks, hinges adjustment and fast installation
- Carefully designed system components and EPDM gaskets for superior thermal insulation, drainage and air impermeability
- Complementary profiles enabling a wide range of configurations
- Multiple variations of door finishing at floor level
- Double glazing from 18 mm up to 49 mm.



**NEW ELEGANT SERIES
WITH CONCEALED SASH**



Mechanism for smoke proof doors compliant with safety regulations

CERTIFICATES

- Certificate of thermal transmittance by ift Rosenheim institute, $U_f=2,1 \text{ W/m}^2\cdot\text{K}$
- Certificate of thermal transmittance by ift Rosenheim institute, $U_f=1,9 \text{ W/m}^2\cdot\text{K}$ for chambers between polyamide bands filled with thermal insulation
- Option to order profiles with additional thermal insulation for a particular project
- Certificate for air permeability - class 4
- for water tightness - class _ 1950
- resistance to wind load
- class C 5, by EKANAL
- Test for sound insulation - 25 mm glazing /4+17+4 mm/, $R_w = 36 \text{ dB}$
- Test for sound insulation - 28 mm glazing /6+18+4 mm/, $R_w = 38 \text{ dB}$
- Test for sound insulation - 49 mm glazing /8+4/+27+/4+4/, $R_w = 42 \text{ dB}$



ETEM. *Think* Adaptive

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