# THERM 40

SLIDING DOORS

## PROFILE

### Thermal Break Profile


The Therm40 profile model is designed to insulate the building from outside heat and cold without compromising aesthetics.

Thermal transmittance (Ud is measured in W/m²K or W/m²°C) reflects a building element's ability to transmit heat of a constructive element. A lower U-value indicates better insulation due to reduced energy transfer between the two faces of the building element. The insulation level of a sliding door depends on the insulation level of the profile and of the glass.

In the case of THERM40 profiles, two metal sections are joined by a non-metal component for thermal insulation.

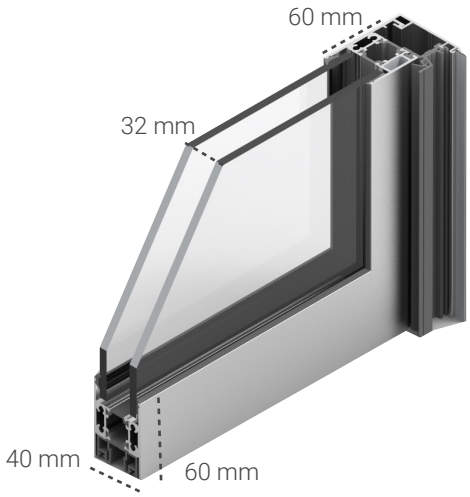
To obtain an optimum level of insulation for the automatic door, it is necessary to use insulating glass, known under the names of chamber glass or double glazing, whose low coefficient of thermal transmission (Ug) translates into high thermal insulation.

**HIGH ENERGY EFFICIENCY**
Thermal transmittance values: <1,22 W/m²K*

**NARROW AND COMPACT DESIGN**

**FOR SLIDING DOORS**
compatible with Erreka operators

*Value for a door configuration 2+2 of 6x3m with Ug=0,6W (m²K)

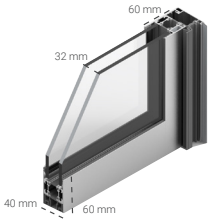


# THERM 40

## PROFILES

### TECHNICAL CHARACTERISTICS

| | |
|---|---|
| **Thermal transmittance rate** | Ud=1.6W (m²K) Ug=1.1W (m²K)<br>Ud=1.22W (m²K) Ug=0.6W (m²K)<br>*Value for a 2+2 door configuration of 6x3 m.<br>Ud=U Total<br>Ug=U Glass |
| **Face width** | 60 mm |
| **Base height** | 60 mm |
| **Profile depth** | 40 mm |
| **Glass thickness** | 32 mm |
| **Safety distance** | EN 16005 |
| **Standards:** | EN 16361, EN 16005, EN ISO 10077-2 |




| CHARACTERISTICS | | DOUBLE SLIDING DOOR | SINGLE SLIDING DOOR |
|---|---|---|---|
| Free passage | | 1.000 - 3.000mm | 750 - 2.000mm |
| Maximum free passage height | | 3.000mm | 3.000mm |
| **MAXIMUM WEIGHT PER LEAF** | | | |
| Operator | Ertain4 | 2 x 100 kg | 1 x 140 kg |
| | Global4 | 2 x 140 kg | 1 x 200 kg |

**Therm 40 profiles are fitted with:**

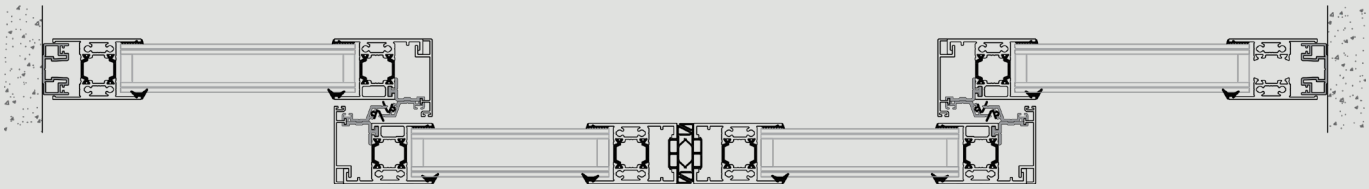
AW-6060 T6 extruded aluminium alloy profiles
EN AW6060 primary aluminium alloy conforms to Standard UNE EN573-3. 6060 aluminium alloy is widely used for architectural profiles. Optimal for anodising, therefore providing extra protection if necessary, along with a very good decorative finish

Thermal break profile with polyamide rods reinforced with glass fibre

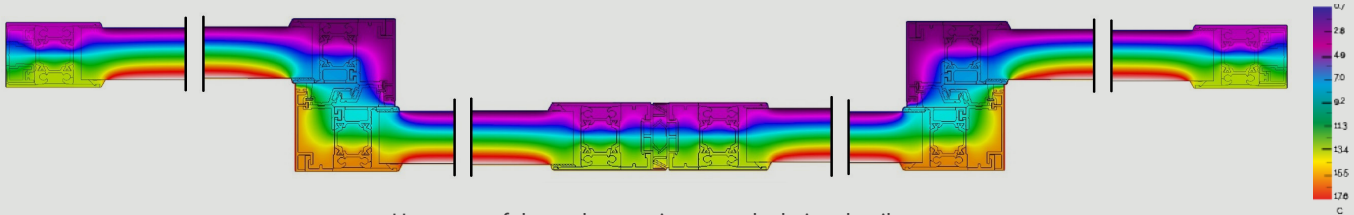
Coextruded PVC and EPDM seals

**EASY ASSEMBLY SOLUTION**
comprising of 3 profiles, a lintel and a recessed guide.

**COMPATIBLE OPERATORS: ERTAIN 4 AND GLOBAL 4**



Cross-section of sliding door in 2+2 configuration



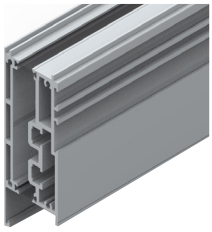
Heat map of thermal transmittance calculation details

# THERM 40

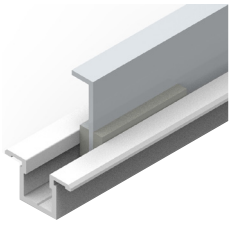
## PROFILES

### AVAILABLE ACCESSORIES

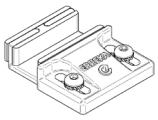
LINTEL THERM40

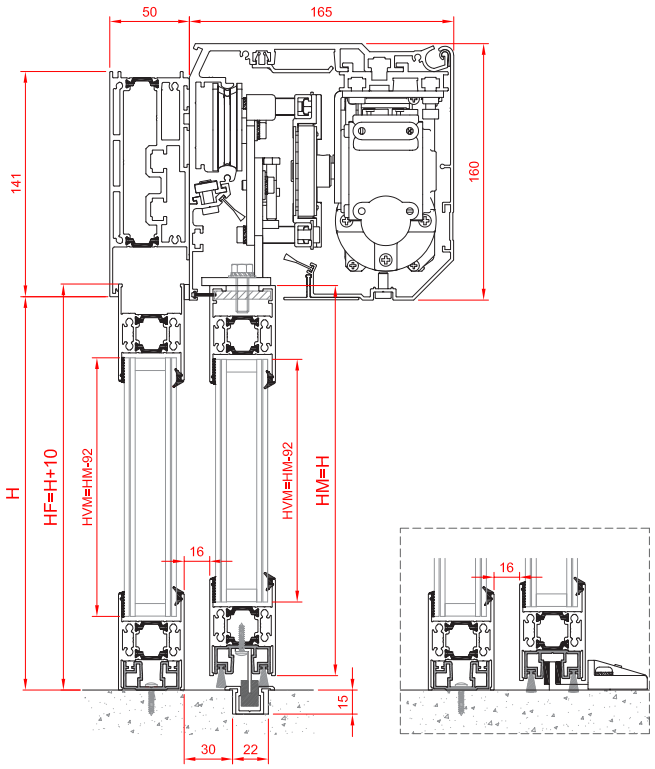


RECESSED GUIDE



SURFACE GUIDE (OPTIONAL)






### THERM 40 MULTILOCK

**HIGH ENERGY EFFICIENCY AND SECURITY.**

The automatic door can be locked and unlocked quickly and securely by adding a hook and bolt lock with built-in European cylinder to the Therm40 profile.