



Lightweight frame profile
for separating heat
and cold

A Slender, Thermally Separated Profile Contributes Elegance to Architecture

A restrained, filigree aesthetic is one of the most important criteria for owners and architects when using door profiles in modern facades. TORMAX has developed the slenderest thermally separated lightweight frame profile for automatic door systems available in the market, the **LR 32THERM** lightweight frame profile.

With a visual width of only 35mm, this profile impresses the viewer not only with its extremely slender aluminium design but also stands out from the crowd by its very low heat transfer coefficient (U_D value). Properties such as wind load, air permeability and resistance to driving rain, which are important in building physics, were tested as specified in FprEN 16361. Use of this profile significantly reduces heat loss, thus lowering heating costs and environmental damage.

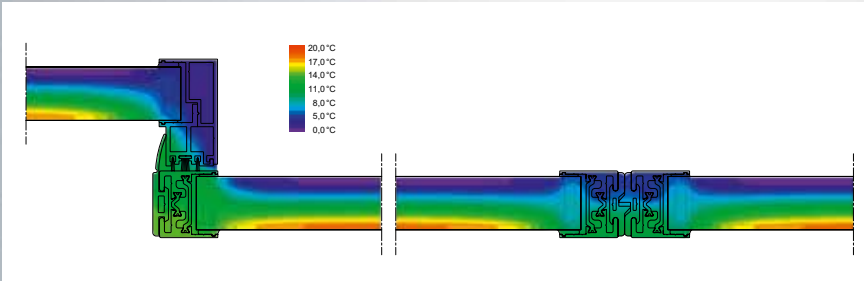
The outstanding thermal insulation properties of **LR 32THERM** lightweight frame profile were tested and certified by the famous Berne University of Applied Science for Architecture, Wood and Construction (Berner Fachhochschule für Architektur, Holz und Bau). Door solutions with this profile system meet not only the German Energy Conservation Regulations ENEC 2009 with respect to thermal insulation but also the safety standard DIN 18650 and its new European supplement, EN 16005.

The lightweight frame profile is ideally suited to exterior use in conjunction with the elegant TORMAX sliding door drives. Its affinity with the TORMAX LR 22B lightweight frame profile for internal doors opens up a whole range of possible combination for owners and architects.

★★★★★
TORMAX
AUTOMATIC



Profile cross-section with floor brushes



Thermal image of a double-leaved sliding door with a fixed leaf



An elegant lightweight frame profile incorporated into a curved design

TORMAX LR 32THERM Lightweight Frame Profile

General areas of application

- Sliding doors intended to separate cold and warm areas
- Energy efficient buildings
- Single and double-leaved external pedestrian doors (including telescopic models)

Areas of use

- Public buildings
- Shops
- Office buildings
- Administrative buildings
- Hospitals

Technical details

- Visual width 35 mm
- Profile depth 40 mm
- Glass thickness 32 mm, with double or triple insulated glazing
- Suitable for all TORMAX sliding door drives, including rescue and escape route models
- Barrier-free or with bottom guide-rails
- Moving leaf weight up to 200 kg

Directives and standards met

- EN 16005/DIN 18650
- EN 16361 (with respect to heat transition coefficient $U_D = 1.4$; air permeability PPD2; wind load PPD400, A; resistance to driving rain E300)
- ENEC 2009 (with respect to heat transition coefficient U_D of 1.8)

