

Technical information



Franzen THF "System Schröders"

fire resistant single leaf ceiling flap
T90 tested according to DIN 4102-5

 optional	in combination as	smoke control flap tested acc. to DIN 18095 RS-1
 optional	in combination as	acoustic performance flap up to $R_W (C, C_{tr}) = 42 \text{ dB}$ acc. to EN ISO 10140 / EN ISO 717-1
 optional	in combination with	increased air tightness up to class 4 acc. to EN 12207
 optional	walkable	



Performance characteristics

Fire resistance

T-90, "Allgemeine bauaufsichtliche Zulassung"
Nr. Z-6.20-2061, DIBt Berlin

Smoke control

tested acc. to DIN 18095 RS-1

Combinable with additional performance characteristics:

Acoustic performance (optional)

up to $RW(C;Ctr) = 42 (-1;-3)$ dB
acc. to EN ISO 10140-1 / EN ISO 10140-2 / EN ISO 717

Thermal transmittance

UD-value $\geq 1,6 \text{ W}/(\text{m}^2\text{K})$ acc. to EN ISO 10077-1

Air tightness (optional)

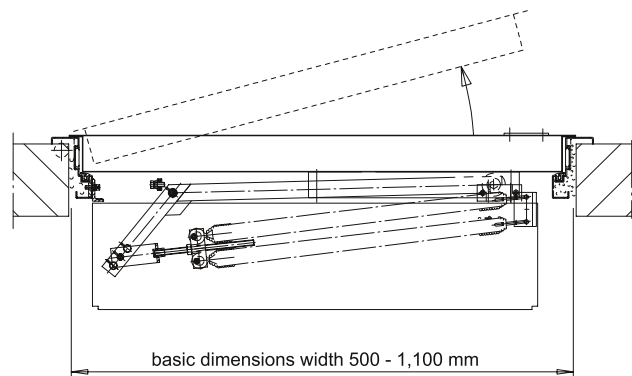
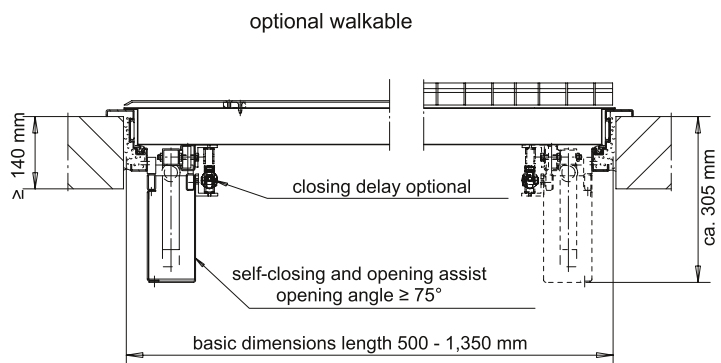
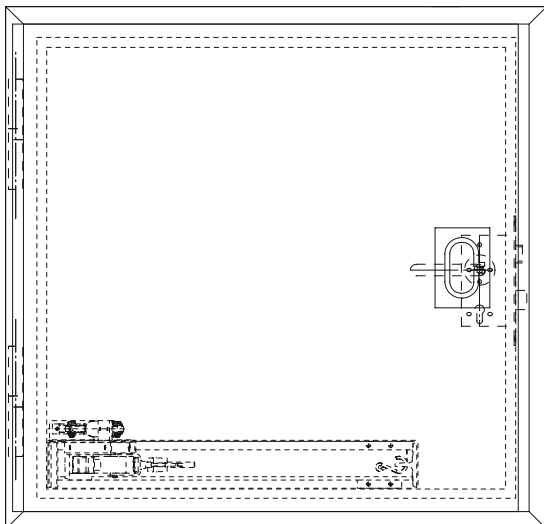
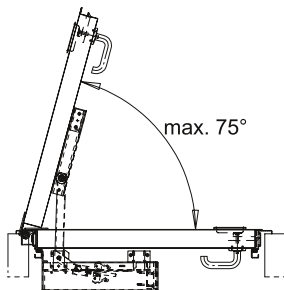
up to class 4 acc. to EN 12207 (up to 600 Pa)

Resistance to positive and negative pressure (optional)

up to 5.000 Pa acc. to DIN EN 12211

Explosion protection (optional)

for installation in potentially explosive areas (ATEX)



Technical data

Dimensions single leaf (basic dimensions)

width	from	500 mm	up to 1,100 mm
length	from	500 mm	up to 1,350 mm

Flapleaf

leaf thickness 68 mm - smooth double-walled
plate thickness 1.0 mm
thin rebate design
optional insulation inlet full-face glued and pressed with cover plate, thus particularly plane and smooth door leaf

Frame

frame system "ZNG" (see installation variants)
with flush clipped in Thelesol® fire protection strips) and elastic rubber seal
corner frame
optional enclosing frame
optional block frame

Hinges

concealed door hinges
thus smooth surface without tripping edge

Fittings

Top side: embedded folding ring shell
Lower side: handle

Locking (single leaf)

single locking acc. to DIN 18250 / EN 12209
optional profile cylinder prepared (cylinder on-site)

Walkability (optional)

with grating cover made of steel or aluminium
with checker plate 3 mm made of steel or aluminium

Self-closing and opening assist

adjusted to the flap weight
- easy opening (max. opening angle 75°)
- closing speed regulation

Closing delay (optional)

continuous adjustment of the closing process
enables unhindered passage
optional hold-open system acc. to DIN EN 14637

Installation

in in fire-resistant ceilings made of
reinforced concrete acc. to DIN 1045-1 (thk ≥ 140 mm)

Marking

mark of conformity - "Ü"
according to German conformity mark regulation

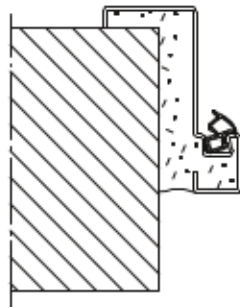
Optional

sock control
powder coating in RAL colours
special solutions acc. to request and customer requirements

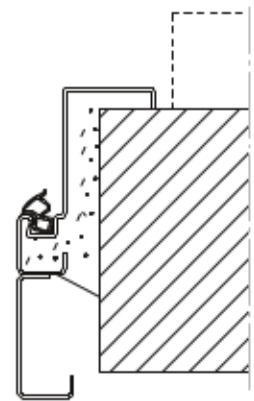
Installation variants

Installation in

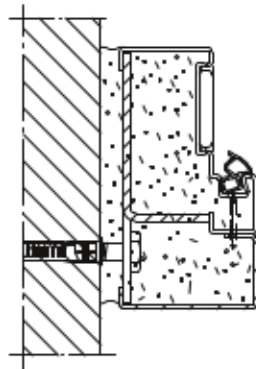
concrete



corner frame
corner frame with
supplementary frame

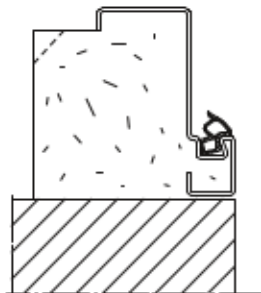


concrete
- blunt installation

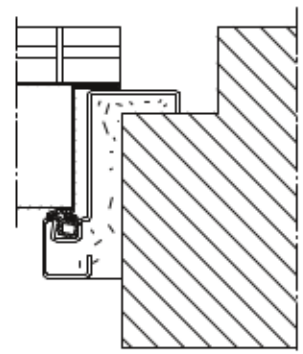


blockframe
corner frame with
supplementary frame

on concrete slab



optional walkable



FRANZEN
Feuerschutztüren