

**Double Wing T 60 (EI<sub>2</sub> 60-SaC5) High Fire Retardant Air Tight Steel Door**

<b>Plane Optic</b>		
<b>Fire Protection</b>	<b>T60 (EI<sub>2</sub> 60-SaC5)</b>	<b>in accordance with DIN EN 1634-1</b>
<b>Air tight</b>	<b>Class 3 and 4</b>	<b>in accordance with DIN EN 12207</b>

* Smoke Control	<b>RS (S<sub>200</sub>)</b>	in accordance with DIN EN 1634-3
* Noise Control	<b>up to R<sub>w</sub> 54dB</b>	in accordance with DIN EN ISO 10140-2
* Burglar Proof	<b>RC2/RC3/RC4/RC5</b>	in accordance with DIN V ENV 1627
* Shot Proof	<b>FB4</b>	in accordance with DIN EN 1522
* Rain and Fire Water Tight	<b>Classification 6A</b>	in accordance with DIN EN 1027
* Wind Tight	<b>Classification C5</b>	in accordance with DIN EN 12211
* Pressure Resistant	<b>up to 5 kPa</b>	
* Explosion Protection	<b>up to zone 1/21</b>	in acc. with DIN EN 1127-1 or ATEX 94/9/EG
* Stainless Steel		

**Range of Dimensions Door:**                      **Width from 1375 mm to 3000 mm**  
**Height from 1750 mm to 3000 mm**

**Range of Dimensions Hatch:**                      **Width from 1250 mm to 1375 mm**  
**Height from 500 mm to 1750 mm**

(\* special options see back of page)

**Technical specification and text for invitation to tender**

<b>Product:</b>	<b>T60-2 (EI<sub>2</sub> 60-SaC5) double wing high fire retardant air tight steel door brand Buchele In accordance with DIN EN 1634-1 and 12207</b>
<b>Door Type:</b>	<b>PLANE Line PL 602 (LD) BASIC</b>
<b>Air tight classification:</b>	.....
<b>Dimensions:</b>	.... x .... mm
<b>Door Leaf classification 3</b>	Double walled, level 70 mm thick steel door leaf without hinge embossing, three sides folded with thick rebate without bottom stop. With drop seal to the floor. Special insulating inserts completely laid in and glued.
<b>Sill classification 3:</b>	Floor bracket as separation bar. Surface galvanized and welded to the frame.
<b>Door Leaf classification 4</b>	Double walled, level 70 mm thick steel door leaf without hinge embossing, three sides folded with thick rebate. Special insulating inserts completely laid in and glued.
<b>Sill classification 3:</b>	Stop sill, surface galvanized and welded to the frame.
<b>Frame:</b>	3-sided circumferential folded corner frame with visible black coated intumescent material in fold. High-quality multi-chamber sealing profile adjustable fixed in the three sided groove.
<b>Hinges:</b>	Threepart height-adjustable construction hinges with hinge pin retention and ball-bearing spacer ring for smooth door movement.

- Door Closer:** 2 pieces Standard arm door closer according to DIN EN 1154 silver colored mounted on hinge side.  
1 piece door coordinator device
- Fitting:** **Active door leaf** with mortice lock with latch lever function in accordance with DIN EN 12209 (prepared for installation of a profile cylinder lock provided by customer).  
Door handle set in accordance with DIN EN 1906 firmly installed turnable synthetic material black in U-shape with rounded short-plate.  
**Inactive door leaf** with espagnolette bolt lock in the central rebate profile.

**Type PLANE Line PL 602 PREMIUM**

- Frame:** Three sided circumferential folded PLANE Line special corner frame for flush mounted optics on hinge side. With visible black coated intumescent material in fold. High-quality multi-chamber sealing profile adjustable fixed in the three sided groove.
- Hinges:** Object hinges type VB-3D 160 adjustable in three dimentions. Reception element with internal positioned slide bearings for smooth door movement.
- Door Closer:** Slide channel door closer system in accordance with DIN EN 1154 silver colored mounted on hinge side.

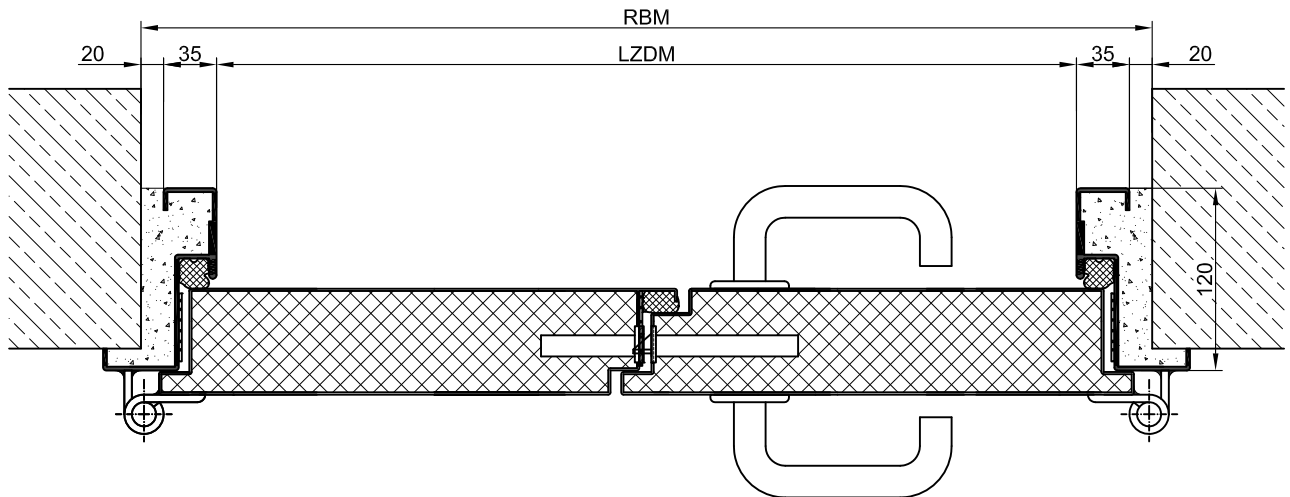
**Type PLANE Line PL 602 SUPERIOR**

- Frame:** Three sided circumferential folded PLANE Line special corner frame for flush mounted optics on hinge side. With visible black coated intumescent material in fold. High-quality multi-chamber sealing profile adjustable fixed in the three sided groove.
- Hinges:** Concealed hinge system adjustable in three dimensions.
- Door Closer:** Concealed slide channel door closer system in accordance with DIN EN 1154 integrated in frame and door leaf.
- Surface:** Door leaf and frame galvanized and primed with one component primer similar RAL 7001.
- Mounting:** Delivery and professional assembly including filling of the cavities in the frame with mortar of group III.
- Installation:**
- |                   |          |
|-------------------|----------|
| Masonry           | ≥ 115 mm |
| Concrete          | ≥ 100 mm |
| Aerated concrete  | ≥ 200 mm |
| Mounting wall F60 | ≥ 125 mm |

**Special Models**

- Flush Glazing:** **PLANE Line F60** special glazing flush with outer edge of door leaf on hinge side and opposite of hinge side.  
Edge enameling and permanent elastic glazing joint in color black RAL 9004.  
Minimum frieze width 125 mm side and top, base 300 mm.
- Standard Glazing:** F60 fireproof glazing held by profiled and visibly screwed steel glazing bars.  
Minimum frieze width 125 mm side and top, base 300 mm.
- Smoke Protection:** Drop seal or stop sill.

<b>Sound Insulation:</b>	Drop seal or stop sill.
<b>Burglary Protection:</b>	RC 2,RC 3,RC 4 or RC 5 safety package with safety fitting.
<b>Bullet Proof:</b>	FB 4-NS special inlay in door leaf and frame.
<b>Driving Rain Water tight:</b>	High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a drop seal or a stop seal.
<b>Windproof</b>	High-quality multi-chamber sealing profile adjustable fixed in the three sided groove of the frame in connection with a drop seal or a stop seal
<b>Stainless Steel:</b>	Material 1.4301 (V2A) or. 1.4571 (V4A), Surface bright mill, brushed or mattet



BASIC

PREMIUM

SUPERIOR

