

## Single Leaf PLANE Line Acoustic Door

**Sound Insulation****R<sub>w,P</sub> 54 dB****tested acc. to EN ISO 10140-2**

### Optional Audited Additional Functions

|                              |                        |                                      |
|------------------------------|------------------------|--------------------------------------|
| - Burglar Protection         | <b>RC2/RC3/RC4/RC5</b> | tested acc. to EN 1627               |
| - Bullet Resistance          | <b>FB4/FB6-NS</b>      | tested acc. to EN 1522               |
| - Air Tight                  | <b>up to class 4</b>   | tested acc. to EN 1026               |
| - Rain- and Fire-Water Tight | <b>class 6A</b>        | tested acc. to EN 1027               |
| - Wind Load Resistance       | <b>up to class C5</b>  | tested acc. to EN 12211              |
| - Blast Resistance           | <b>up to 20 kPa</b>    | tested acc. to EN 13124-1            |
| - Explosion Protection       | <b>up to zone 1/21</b> | acc. to EN 1127-1 or ATEX 2014/34/EU |
| - Stainless Steel            |                        |                                      |

### Range of Dimension

**Range of Dimension****Width from 500 mm to 1500 mm**  
**Height from 500 mm to 3000 mm**

### Technical Specification and Tender Text

|   |   |
|---|---|
| <b>Product:</b>                         | <b>PL 1 single leaf acoustic door</b><br><b>brand Buchele tested acc. to EN ISO 10140-2</b>   |
| <b>Door Type:</b>                       | <b>PLANE Line PL 1 BASIC</b>  |
| <b>Sound Insulation R<sub>w,P</sub></b> | <b>54 dB</b>  |
| <b>Structural Opening:</b>              | <b>.... x .... mm</b>   |
| <b>Door Leaf:</b>                       | Double-walled, planar 70 mm thick steel door without hinge embossing, three sides rebated with thick rebate<br>Without bottom stop.<br>Special insulating inserts fully laid-in and glued.<br>Duplex tow sealing system.                                |
| <b>Threshold:</b>                       | Threshold profile as barrier-free hump sill. Surface galvanized and welded to the frame.  |
| <b>Frame:</b>                           | 3-sided circumferential rebated corner frame.<br>High-quality multi chamber sealing profile adjustable fixed in the three-sided groove.   |
| <b>Hinges:</b>                          | Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.   |
| <b>Fitting:</b>                         | Mortise lock with latch lever function acc. to EN 12209 (prepared for installation of a profile cylinder lock, provided by customer).<br>Door handle set in acc. to EN 1906 fixed pivoted synthetic material black in U-shape with rounded short-plate. |
| <b>Surface:</b>                         | Door leaf and frame galvanized und primed with 2K-PUR primer (Very High Solid) similar RAL 7035.  |

### Alternative: PLANE Line PL 1 PREMIUM with flush mounted optics

- Frame:** 3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side.  
High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
- Hinges:** Three-part, height adjustable construction hinges with hinge pin retention and ball bearing spacer ring for smooth door movement.

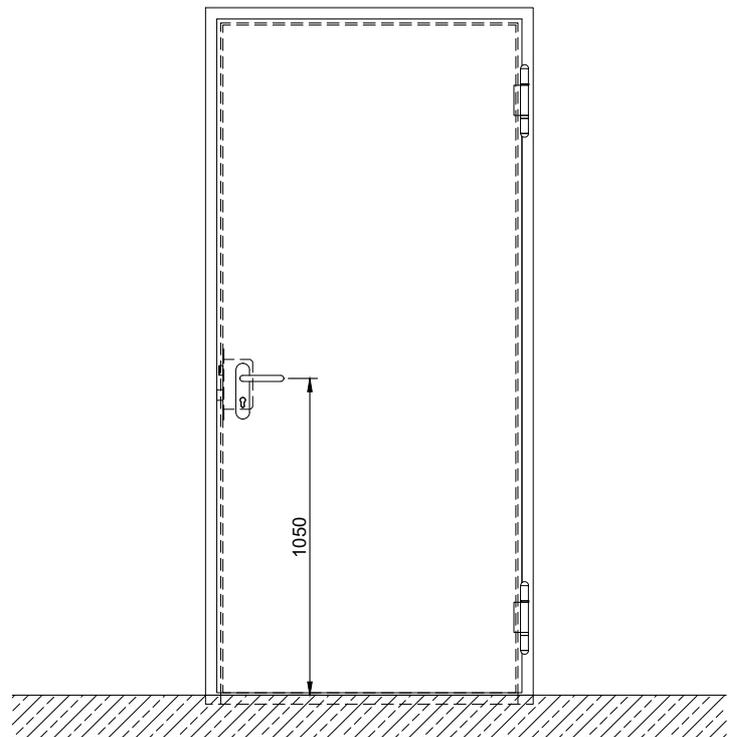
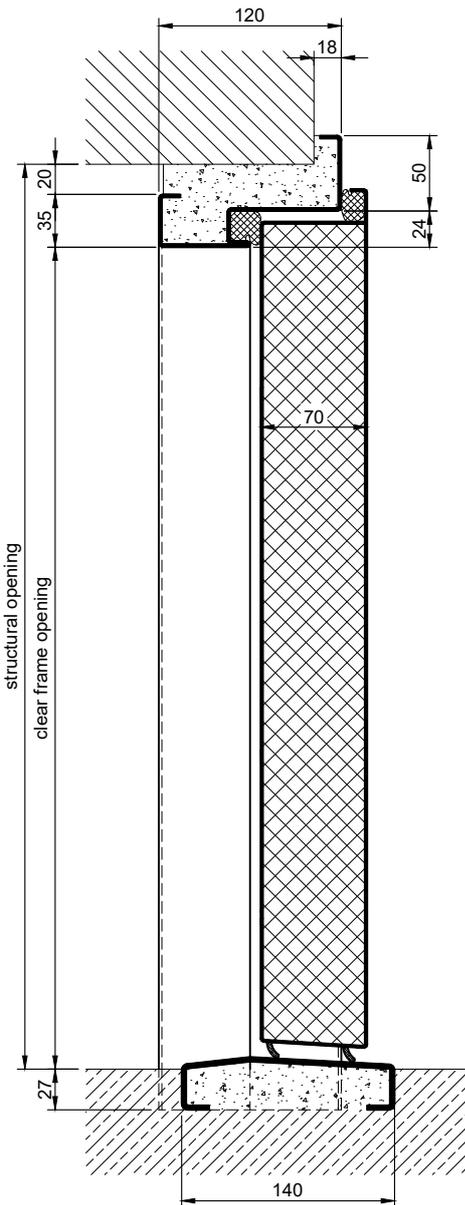
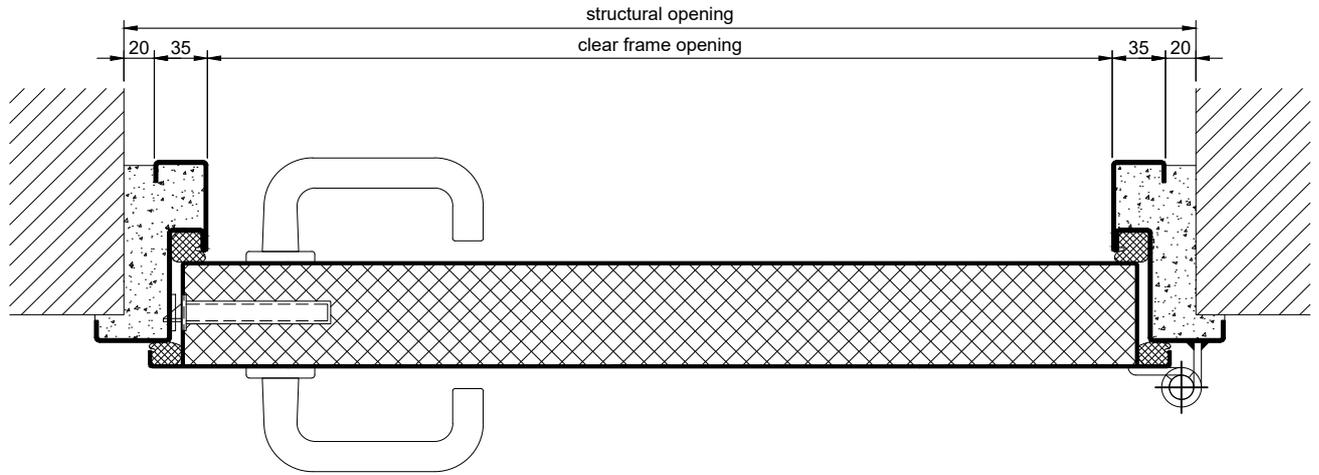
### Alternative: PLANE Line PL 1 SUPERIOR with flush mounted optics

- Frame:** 3-sided circumferential rebated PLANE Line special corner frame for flush mounted optics on hinge side.  
High-quality multi-chamber sealing profile adjustable fixed in the three-sided groove.
- Hinges:** Concealed hinge system adjustable in three dimensions.

### Supplementary Equipment

- Glazing:** Duplex glazing two-sided fixed with profiled and visible screwed steel glazing bars.  
Minimum border 125 mm on side and top, base 340 mm.  
Sound insulation  $R_{w,P}$  max. 50dB
- Stainless Steel:** Material 1.4301 (V2A) or 1.4404 (V4A),  
Surface mill finish or brushed.
- BUCHELE DELUXE:** The exclusive surface coating.

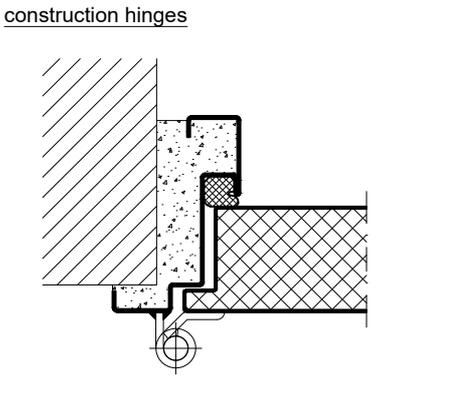
### BASIC - Version



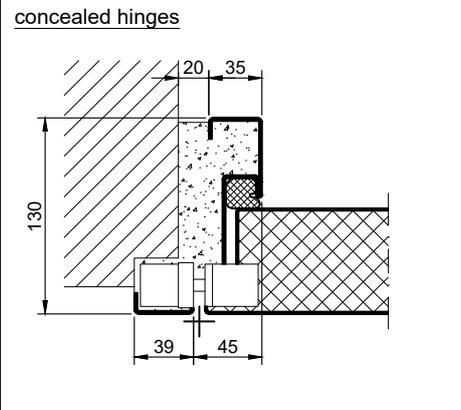
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technical modifications reserved - edition 05/2024

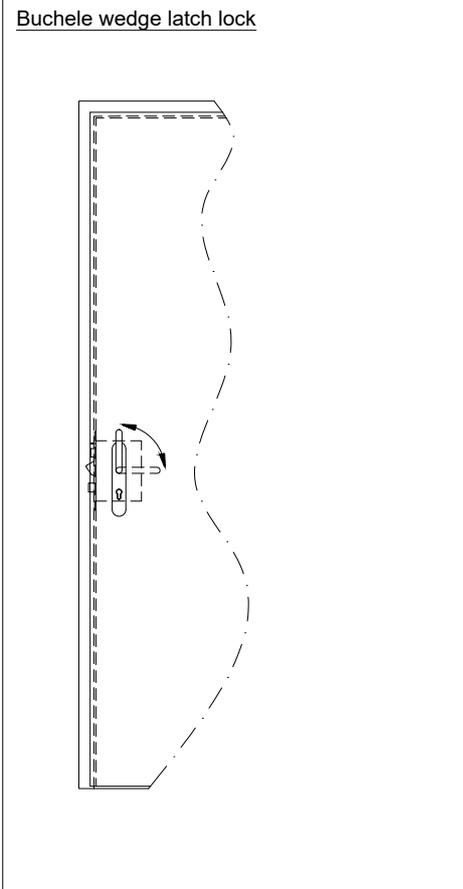
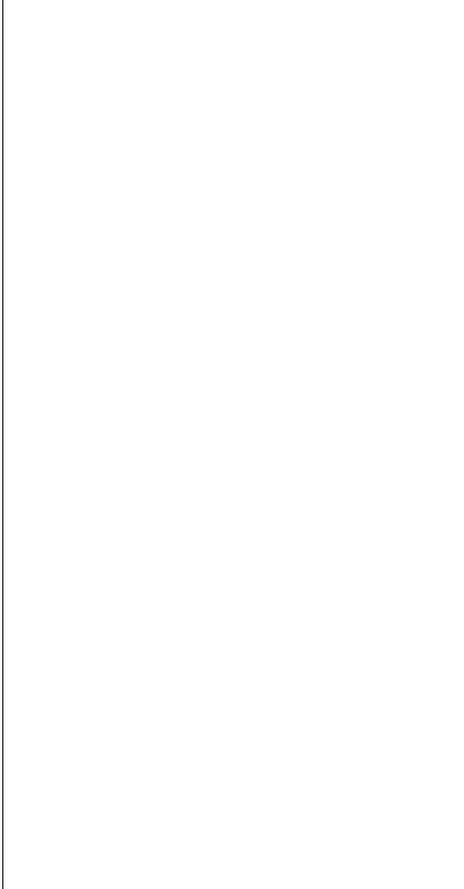
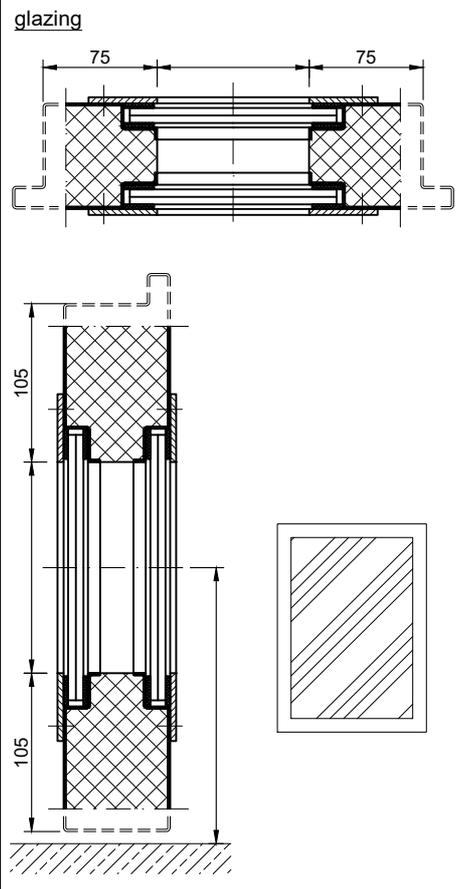
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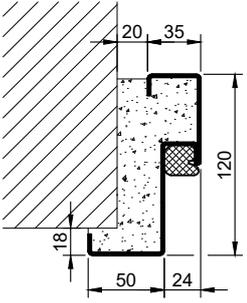
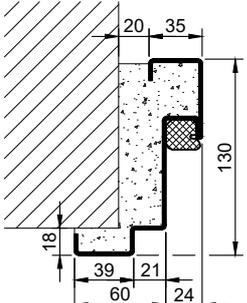
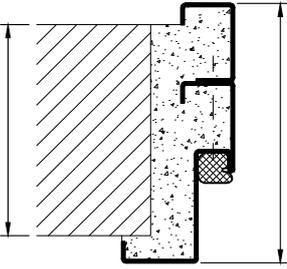
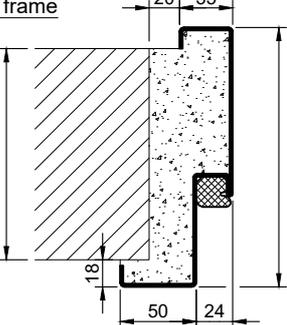
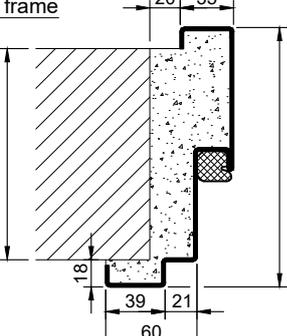
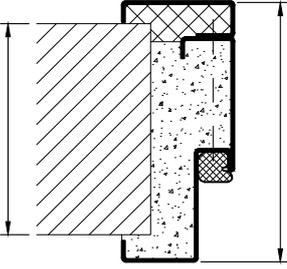
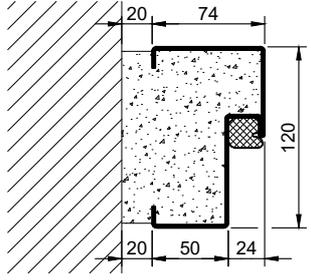
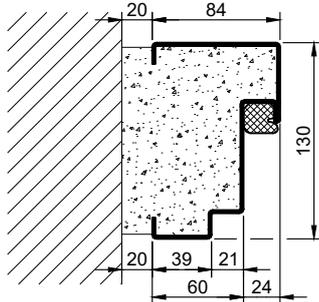
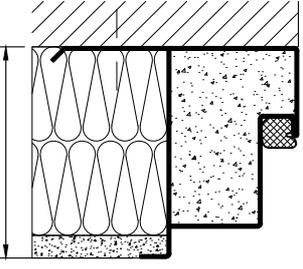
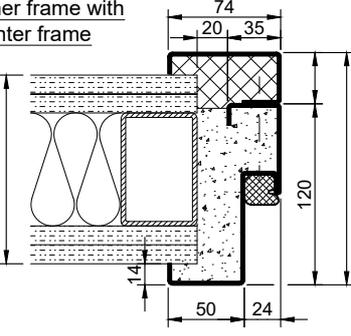
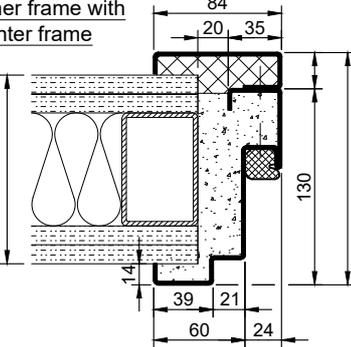
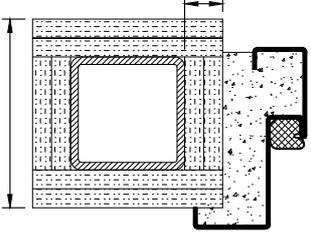


### SUPERIOR - Version



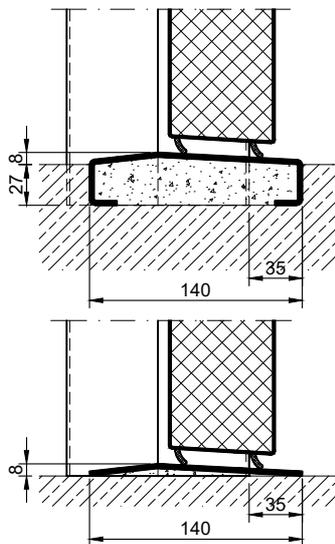
### Options



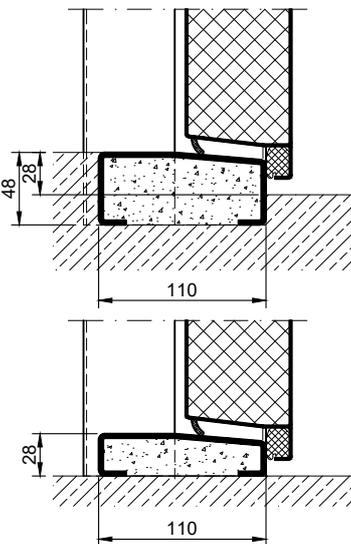
| Frames BASIC   | Frames PREMIUM/SUPERIOR  | Variants (illustration BASIC)   |
|--|--|---|
| <p>corner frame</p>                       | <p>corner frame</p>                       | <p>corner frame with additional frame</p>  |
| <p>encasing frame</p>                     | <p>encasing frame</p>                     | <p>encasing frame with counter frame</p>   |
| <p>block frame</p>                      | <p>block frame</p>                      | <p>juttet block frame</p>                |
| <p>corner frame with counter frame</p>  | <p>corner frame with counter frame</p>  | <p>corner frame at support / pillar</p>  |

### Thresholds

hump sill



half sill



full sill

