



PL 1

Single Wing Multi Purpose Steel Door

* Plane Optic

* Noise Control up to R_W 46 dB in accordance with DIN EN ISO 10140-2

* Burglar Proof

* Shot Proof

* Air Tight

* Rain and Fire Water Tight

* Wind Tight

* RC2/RC3/RC4

FB4

in accordance with DIN EN 1627

in accordance with DIN EN 1522

in accordance with DIN EN 12207

in accordance with DIN EN 1027

* Wind Tight Classification C5
* Pressure Resistant up to 18 kPa

* Explosion Protection up to zone 1/21 in acc. with DIN EN 1127-1 or ATEX 94/9/°EG

* Glazing

* Top Panel / Top Light

* Ventilation Grille

* Stainless Steel

Range of Dimensions: Width from 500 mm to 2500 mm Height from 500 mm to 5000 mm

Technical specification and text for invitation to tender

Product: PL 1 single wing purpose steel door brand Buchele

Door Type: PLANE Line PL 1 BASIC

Dimension:: x mm

Door Leaf: Double walled, level 70 mm thick steel door leaf without hinge embossing,

three sides folded with thick rebate without bottom stop. Special insulating inserts completely laid in and glued.

Safety bolt screwed in door leaf fold.

Sill: Floor bracket as separation bar. Surface galvanized and welded to the

frame.

Frame: 3-sided circumferential folded corner frame with high-quality multi-

chamber sealing profile adjustable fixed in the three sided groove.

Hinges: Threepart height-adjustable construction hinges with hinge pin retention

and ball-bearing spacer ring for smooth door movement.

Fitting: 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.

Type PLANE Line PL 1 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.

^{* (}special options see back of this page)





PL₁

Type PLANE Line PL 1 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.

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.

Special Models

Flush Glazing: PLANE Line 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: Glazing held by profiled and visibly screwed steel glazing bars.

Minimum frieze width 125 mm side and top, base 300 mm.

Sound Insulation: Drop seal or stop sill.

Burglary Protection: RC 2, RC 3 or RC 4 safety package with safety fitting.

Bullet Proof: FB 4-NS special inlay in door leaf and frame.

Airtight: 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.

Driving Rain Water tight: 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.

Windproof 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

Top Panel / Top Light: Top panel built like door leaf

Top light with solid glazing (glazing type optional)

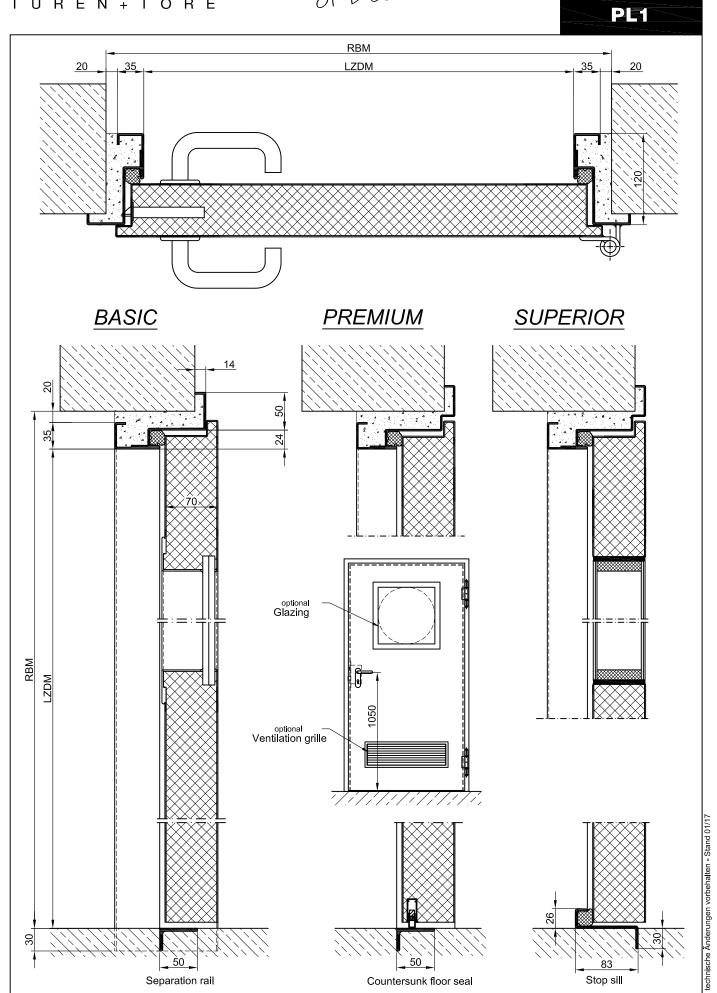
Ventilation Grille: Slanted segments in profile frame (standard)

Poke protected slanted double segments in profile frame

Stainless Steel: Material 1.4301 (V2A) or. 1.4571 (V4A),

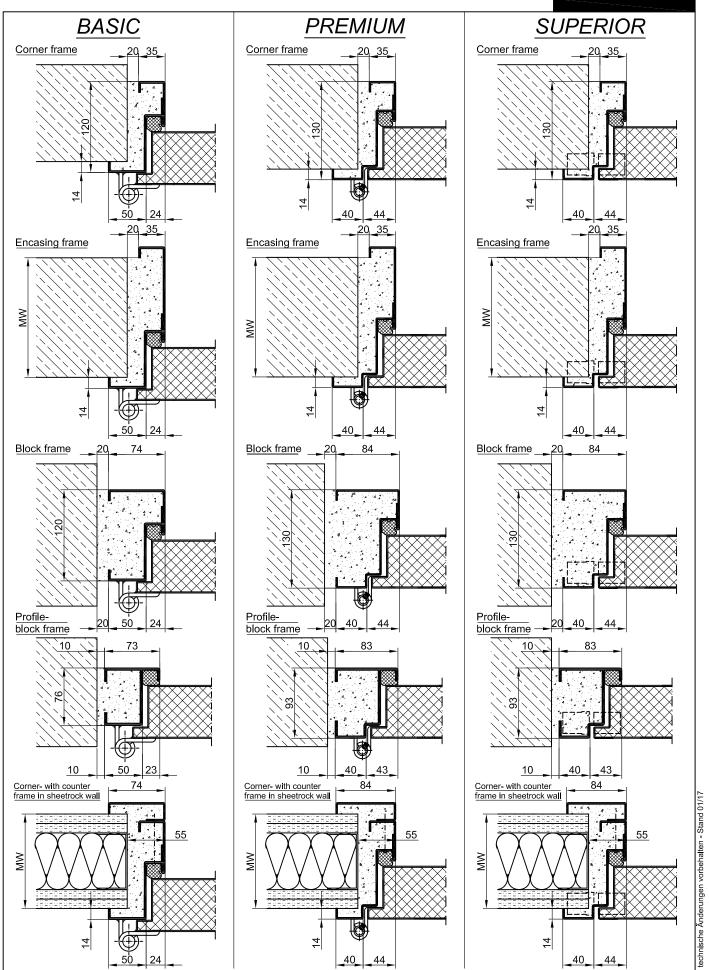
Surface bright mill, brushed or mattet







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