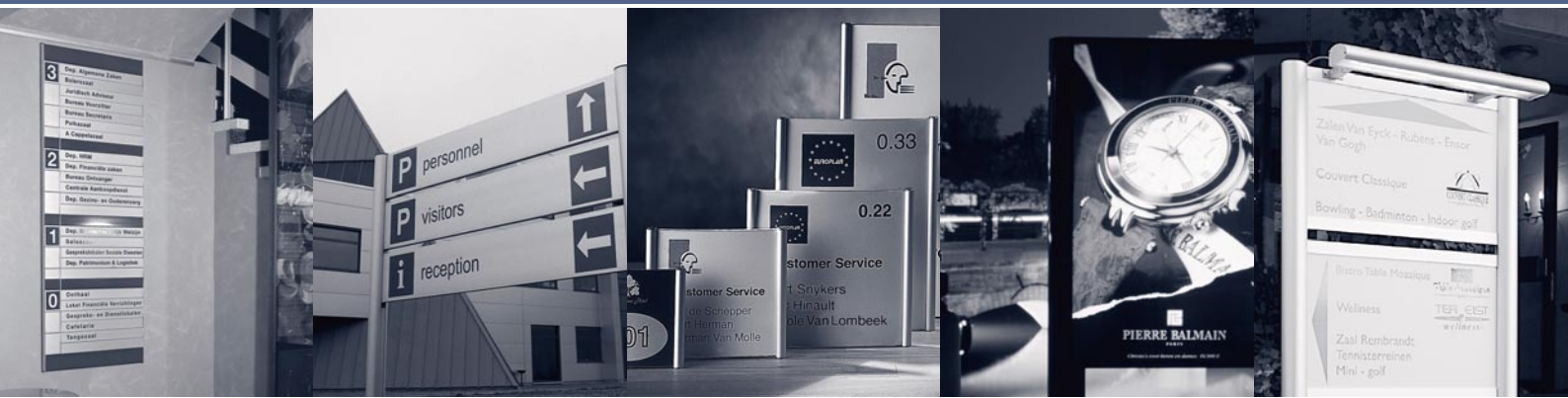


# 00: TECHNICAL OVERVIEW



01: INDOOR →

02: OUTDOOR →

03: PLATO →

04: TOTEM →

05: HIGHLIGHT →

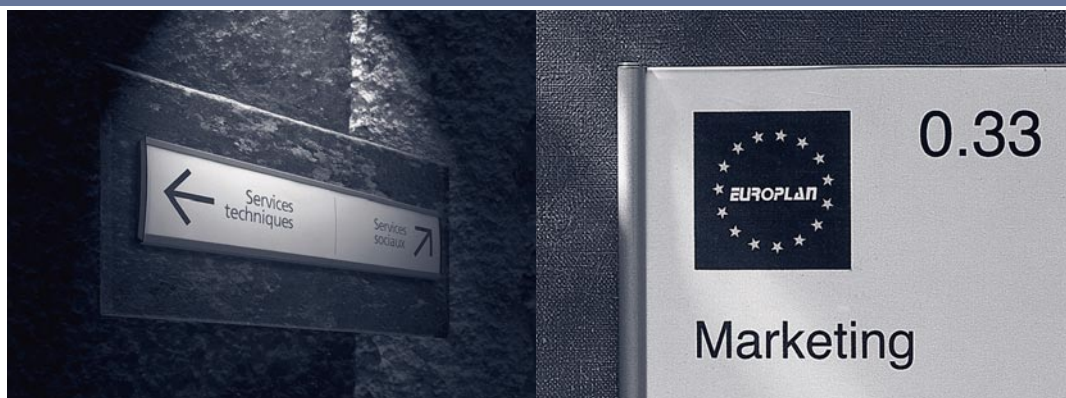
*We show you the way*

**alu**  **SIGN**

## 03: PLATO

501

rt Hem  
man V



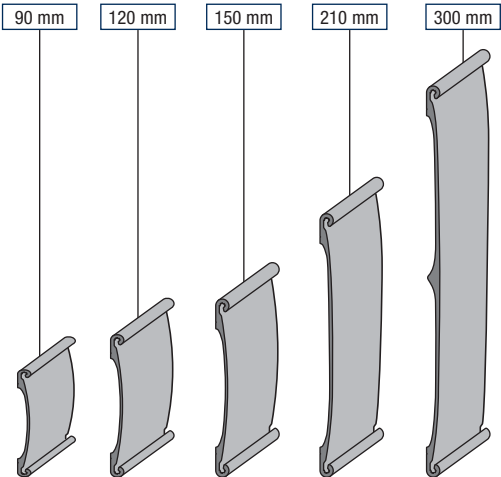
CONSTRUCTION EXAMPLE PLATO

- 1. Aluminium frame
- 2. Text sheet
- 3. Plastic 1 till 1.5 mm
- 4. Tab

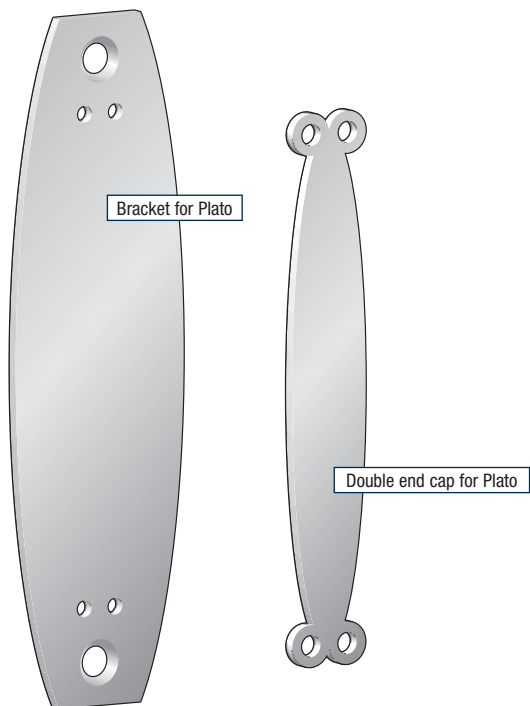
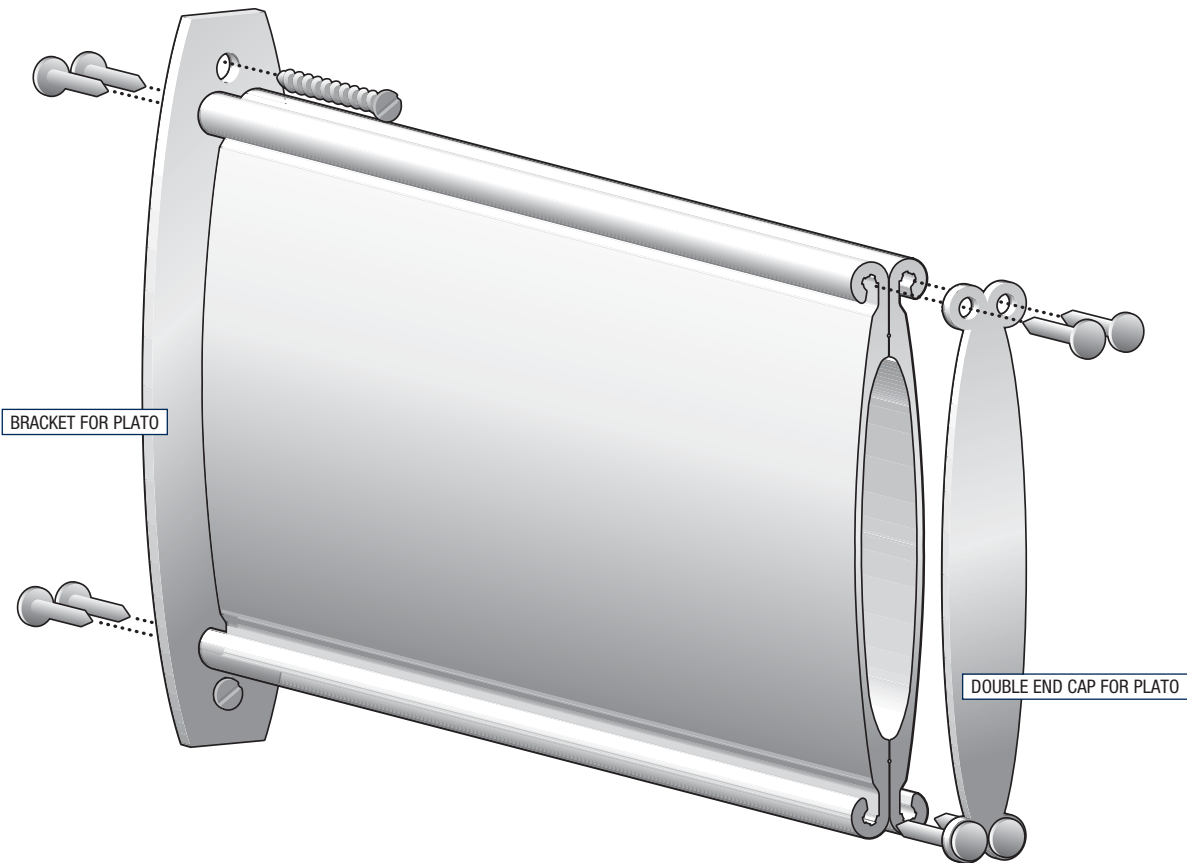


PLATO

CODE	TYPE	SIZE	STRIP ANTI REFLEX
PL tab	Plato inox tab	-	
PL 90	Plato	90 mm	89 x 1 mm
PL 120	Plato	120 mm	119 x 1 mm
PL 150	Plato	150 mm	149 x 1 mm
PL 210	Plato	210 mm	209 x 1,5 mm
PL 300	Plato	300 mm	297 x 1,5 mm



CONSTRUCTION EXAMPLE PROJECTING SIGN



■ BRACKETS

CODE	TYPE	SIZE
PL BR 090	Bracket for Plato	90 mm
PL BR 120	Bracket for Plato	120 mm
PL BR 150	Bracket for Plato	150 mm
PL BR 210	Bracket for Plato	210 mm
PL BR 300	Bracket for Plato	300 mm

■ END CAPS

CODE	TYPE	SIZE
PL DEC 090	Double end cap for Plato	90 mm
PL DEC 120	Double end cap for Plato	120 mm
PL DEC 150	Double end cap for Plato	150 mm
PL DEC 210	Double end cap for Plato	210 mm
PL DEC 300	Double end cap for Plato	300 mm

Profiles in mill finish, anodised and RAL.

Ensures everyone can find you

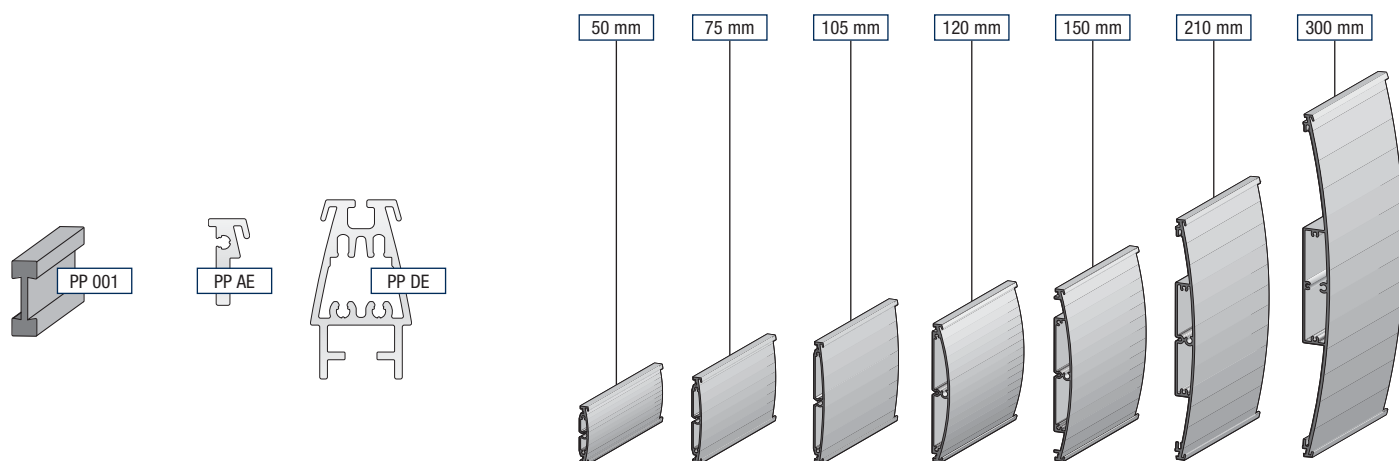




## ■ CONSTRUCTION EXAMPLE PLATO+

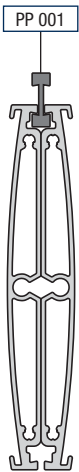


1. Aluminium frame
2. Text sheet
3. Plastic 0.8 till 1 mm
4. Endcap - available in black and grey

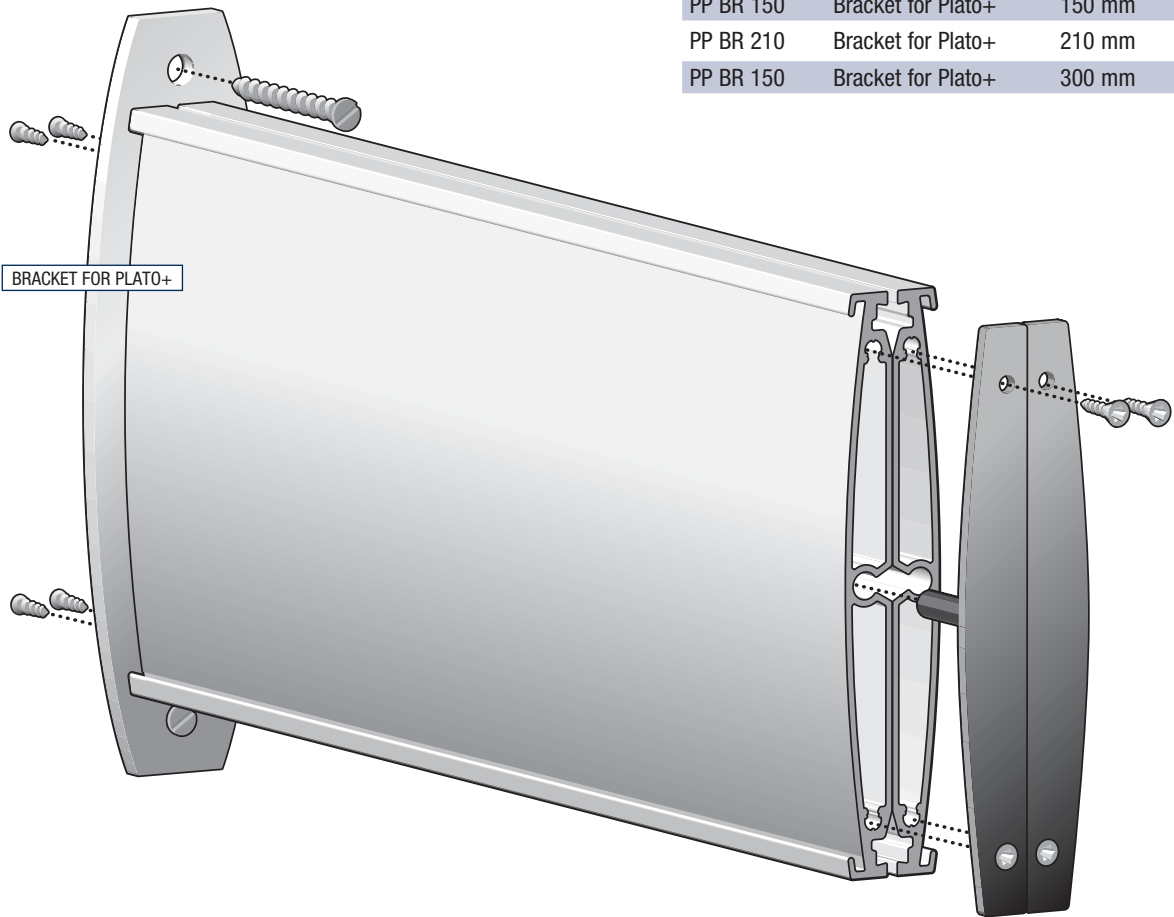


■ PLATO+

CODE	TYPE	SIZE	STRIP ANTI REFLEX
PP 50	Plato+	50 mm	52.5 x 0.8 mm
PP 75	Plato+	75 mm	74 x 0.8 mm
PP 105	Plato+	105 mm	104 x 0.8 mm
PP 120	Plato+	120 mm	121 x 1 mm
PP 150	Plato+	150 mm	148 x 1 mm
PP 210	Plato+	210 mm	209 x 1 mm
PP 300	Plato+	300 mm	297 x 1 mm
PP 001	Plato+ fixing profile		
PP AE	Plato + all edges	400 till 600 mm	
PP DE	Plato + double edges	150 till 600 mm	



CONSTRUCTION EXAMPLE PROJECTING SIGN



■ BRACKETS

CODE	TYPE	SIZE
PP BR 075	Bracket for Plato+	90 mm
PP BR 105	Bracket for Plato+	105 mm
PP BR 120	Bracket for Plato+	120 mm
PP BR 150	Bracket for Plato+	150 mm
PP BR 210	Bracket for Plato+	210 mm
PP BR 300	Bracket for Plato+	300 mm

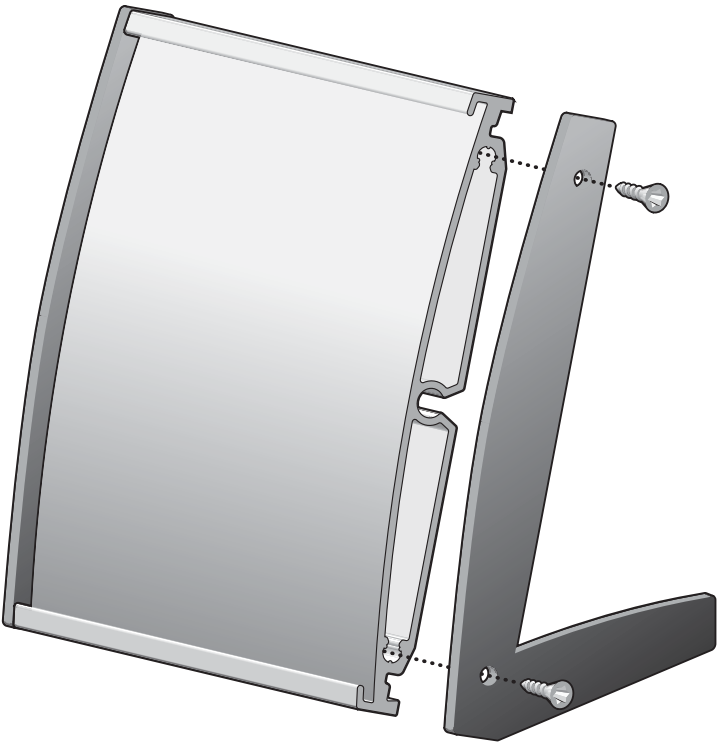


CONSTRUCTION EXAMPLE WING DESK

■ WING DESK

CODE	TYPE	SIZE
PP AWD 050	PP alu wing desk	50 mm
PP AWD 075	PP alu wing desk	75 mm
PP AWD 105	PP alu wing desk	105 mm

Available in black and silver anodised.



CONSTRUCTION EXAMPLE ALL EDGES

■ ALUMINIUM ENDCAPS

CODE	TYPE	SIZE
PP AAE 400	PP all edges alu endcap	400 mm
PP AAE 420 (A2)	PP all edges alu endcap	420 mm
PP AAE 500	PP all edges alu endcap	500 mm
PP AAE 600	PP all edges alu endcap	600 mm

Available in black and silver



Wall mounting with a width till 600 mm

CONSTRUCTION EXAMPLE  
WITH DOUBLE EDGES



Width till 600 mm  
Existing plastics endcaps  
till 300 mm can be used

■ ALUMINIUM ENDCAPS

CODE	TYPE	SIZE
PP ADE 150	PP double edges alu endcap	150 mm
PP ADE 210	PP double edges alu endcap	210 mm
PP ADE 300	PP double edges alu endcap	300 mm
PP ADE 400	PP double edges alu endcap	400 mm
PP ADE 420 (A2)	PP double edges alu endcap	420 mm
PP ADE 500	PP double edges alu endcap	500 mm
PP ADE 600	PP double edges alu endcap	600 mm

Available in black and silver

Ensures everyone can find you



### TOTEM CONSTRUCTION EXAMPLE WITH PLATO + DOUBLE EDGES

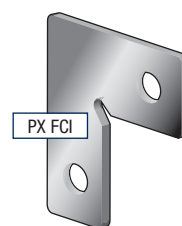
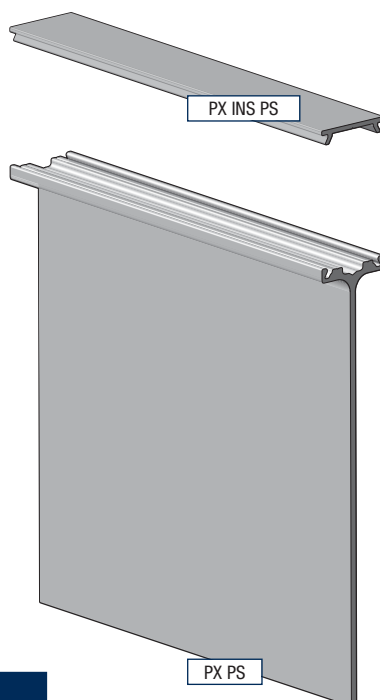
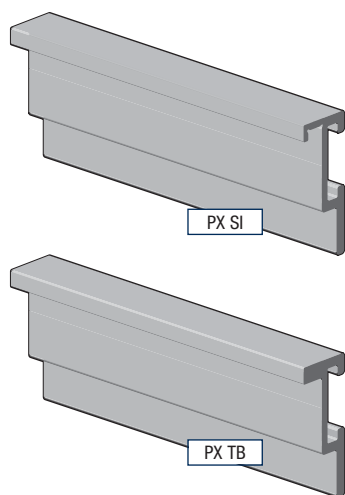


## ■ PLATO X

### ■ DIMENSIONS ON STOCK IN ANODISED SILVER

CODE	INSERTS	THICKNESS PLEXI
PX 075105 AS	75 x 105 mm	1,5 mm
PX 105105 AS	105 x 105 mm	1,5 mm
PX 148105 AS	148,5 x 105 mm	1,5 mm
PX 148148 AS	148,5 x 148,5 mm	1,5 mm
PX 210148 AS	210 x 148,5 mm	2 mm
PX 297210 AS	297 x 210 mm	2 mm
PX 297148 AS	297 x 148,5 mm	2 mm
PX 300150 AS	300 x 150 mm	2 mm
PX 420297 AS	420 x 297 mm	2 mm
PX 594420 AS	594 x 420 mm	2 mm
PX 600150 AS	600 x 150 mm	2 mm
PX 600105 AS	600 x 105 mm	2 mm
PX 800105 AS	800 x 105 mm	2 mm
PX 841594 AS	841 x 594 mm	2 mm

Other dimensions or lacquered possible on request



### ■ ACCESSORIES

CODE	TYPE
PX FCI	Plato X fixing inox corner

### ■ PLATO X

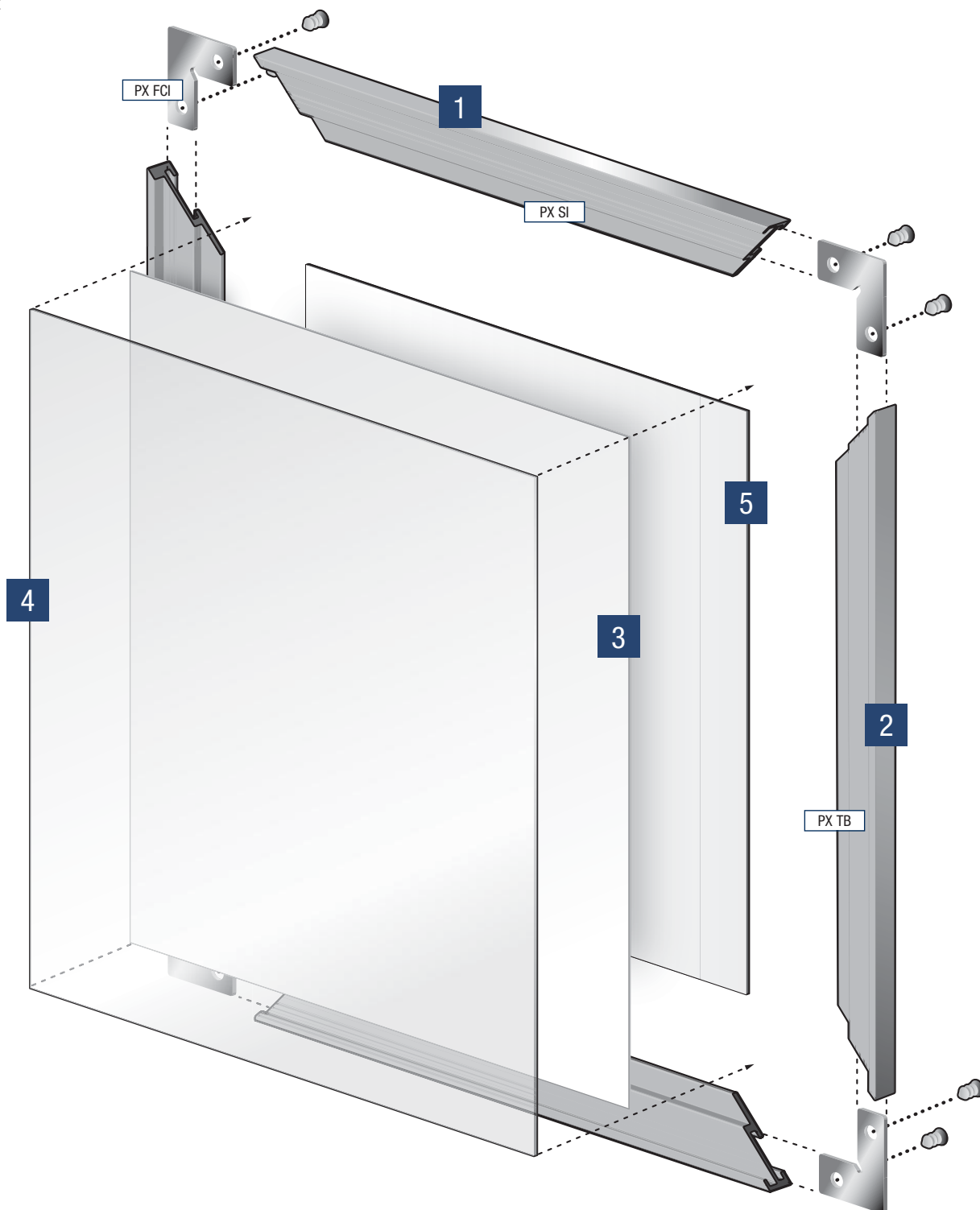
CODE	TYPE
PX SI	Plato X side profile
PX TB	Plato X top and bottom profile
PX PS	Plato X projecting profile
PX INS PS	Plato X insert projecting profile

Profiles in mill finish and anodised silver



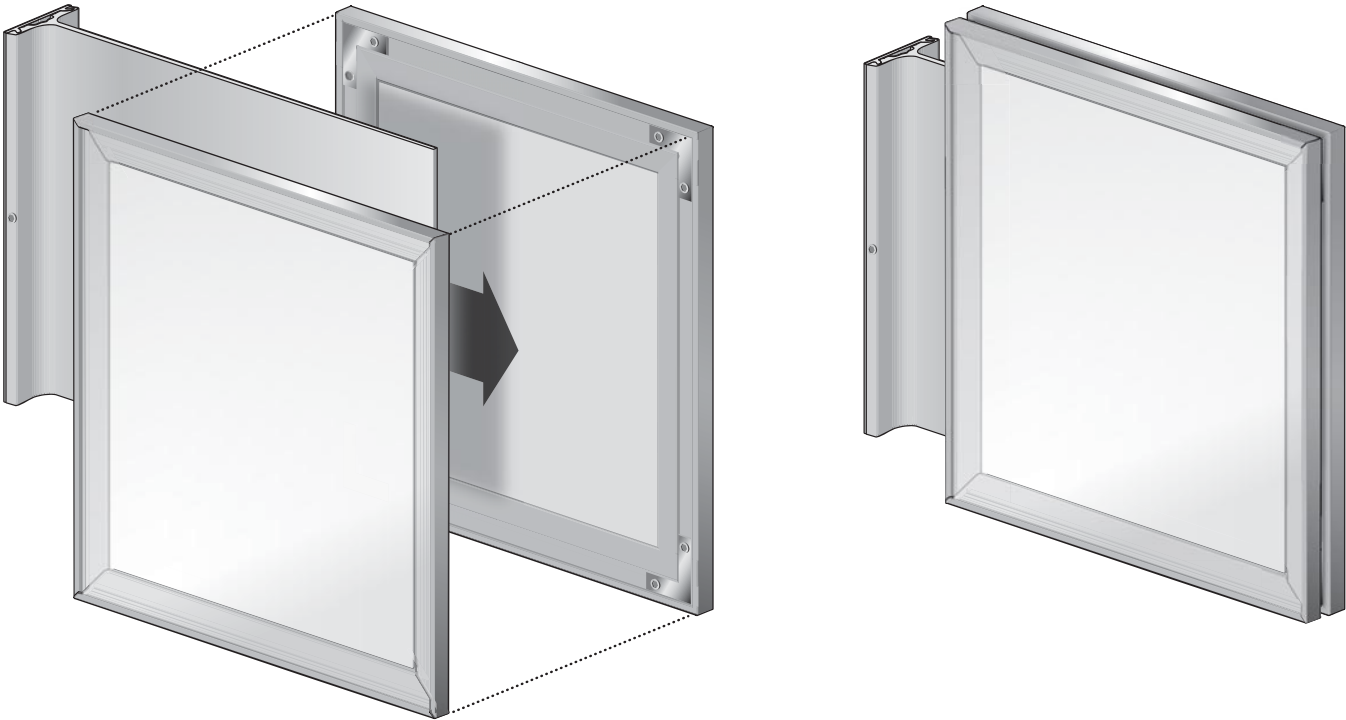
## CONSTRUCTION EXAMPLE PLATO X

1. Plato X - side profile
2. Plato X - top and bottom profile
3. Text frame
4. Plastic: 1.5 till 2 mm
5. Dibond sheet





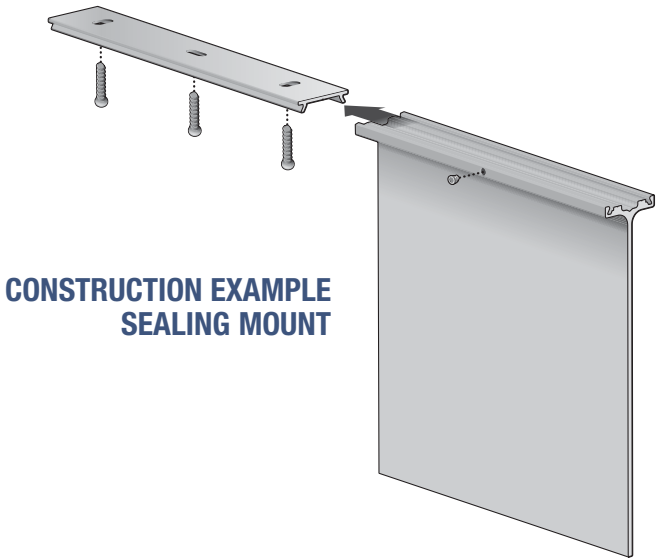
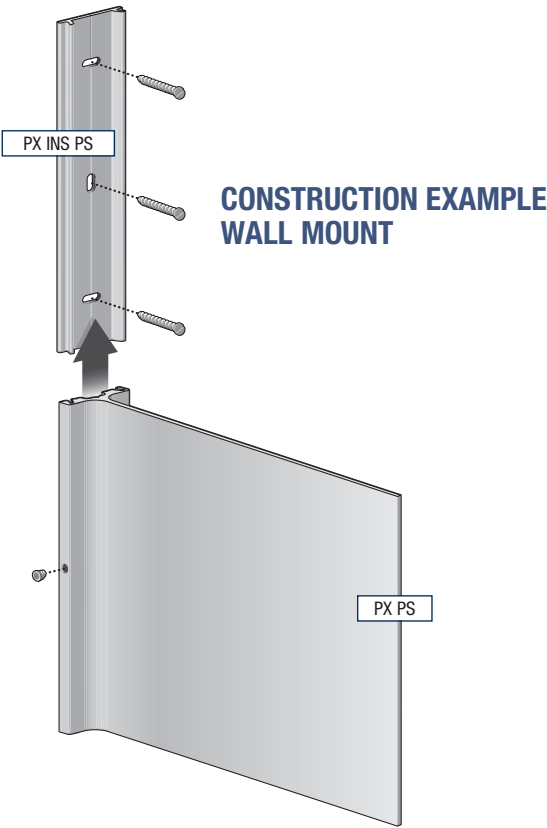
CONSTRUCTION EXAMPLE PROJECTING SIGNS



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PROJECTING SIGNS - DIMENSIONS ON STOCK

CODE	SIZE
PX 150150 PS	150 x 150 mm
PX 300150 PS	300 x 150 mm

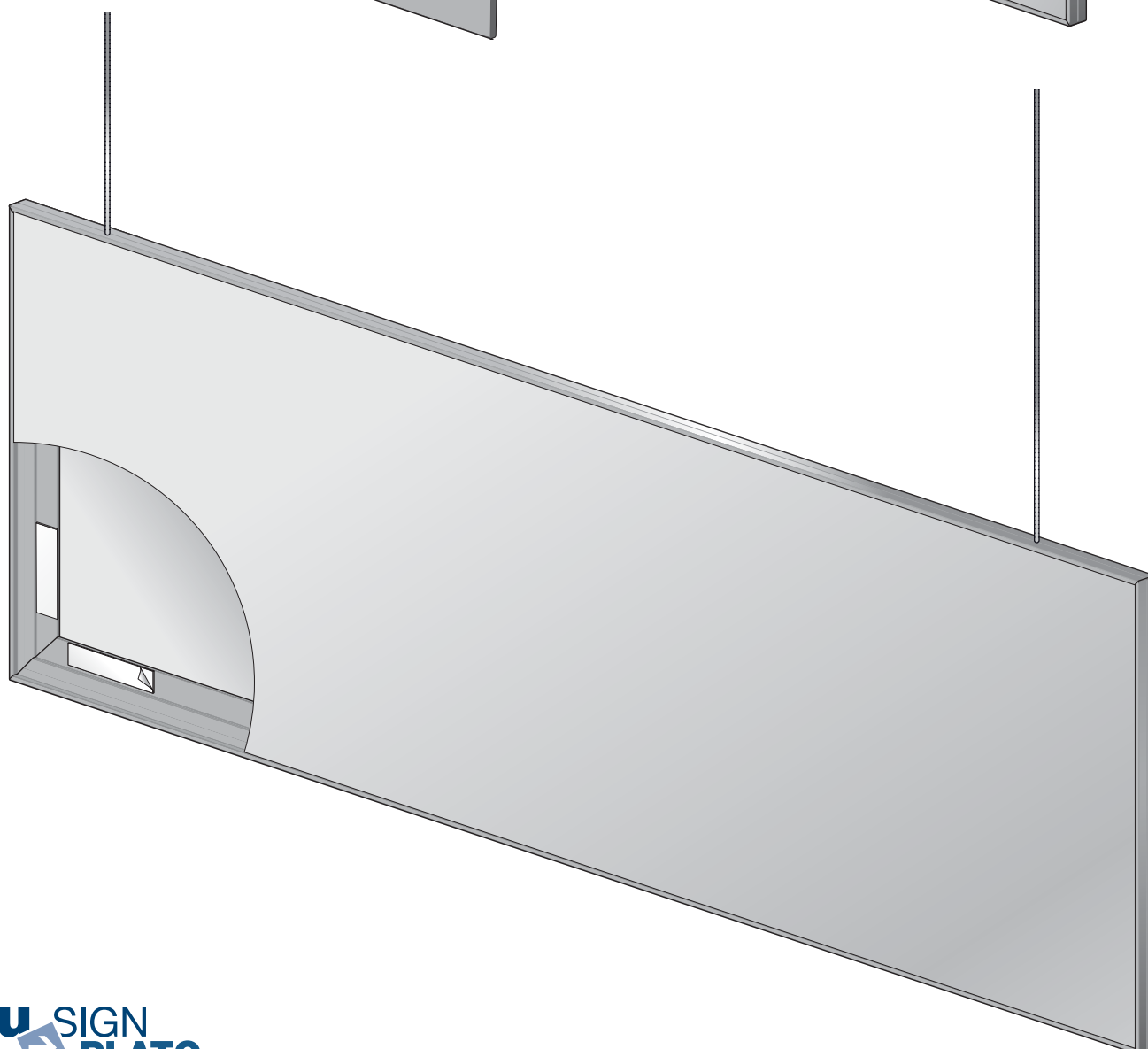
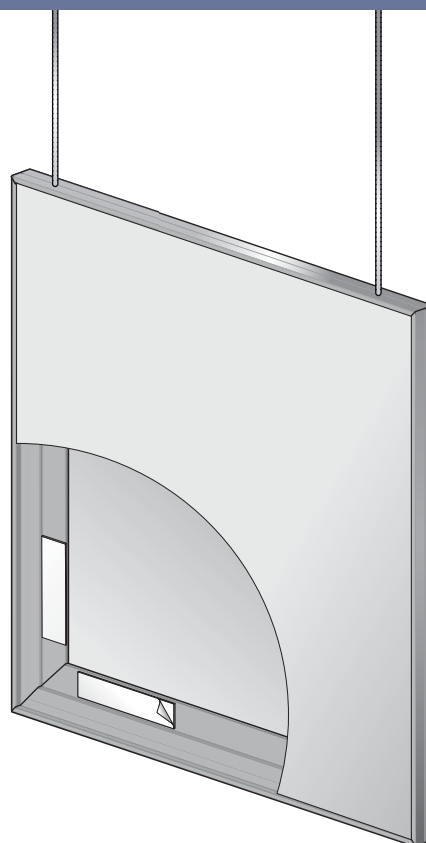
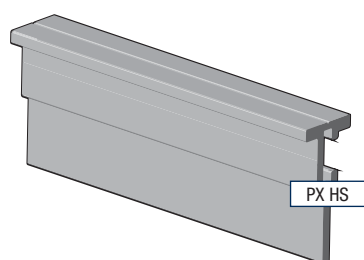




## ■ PLATO X HANGING SYSTEM

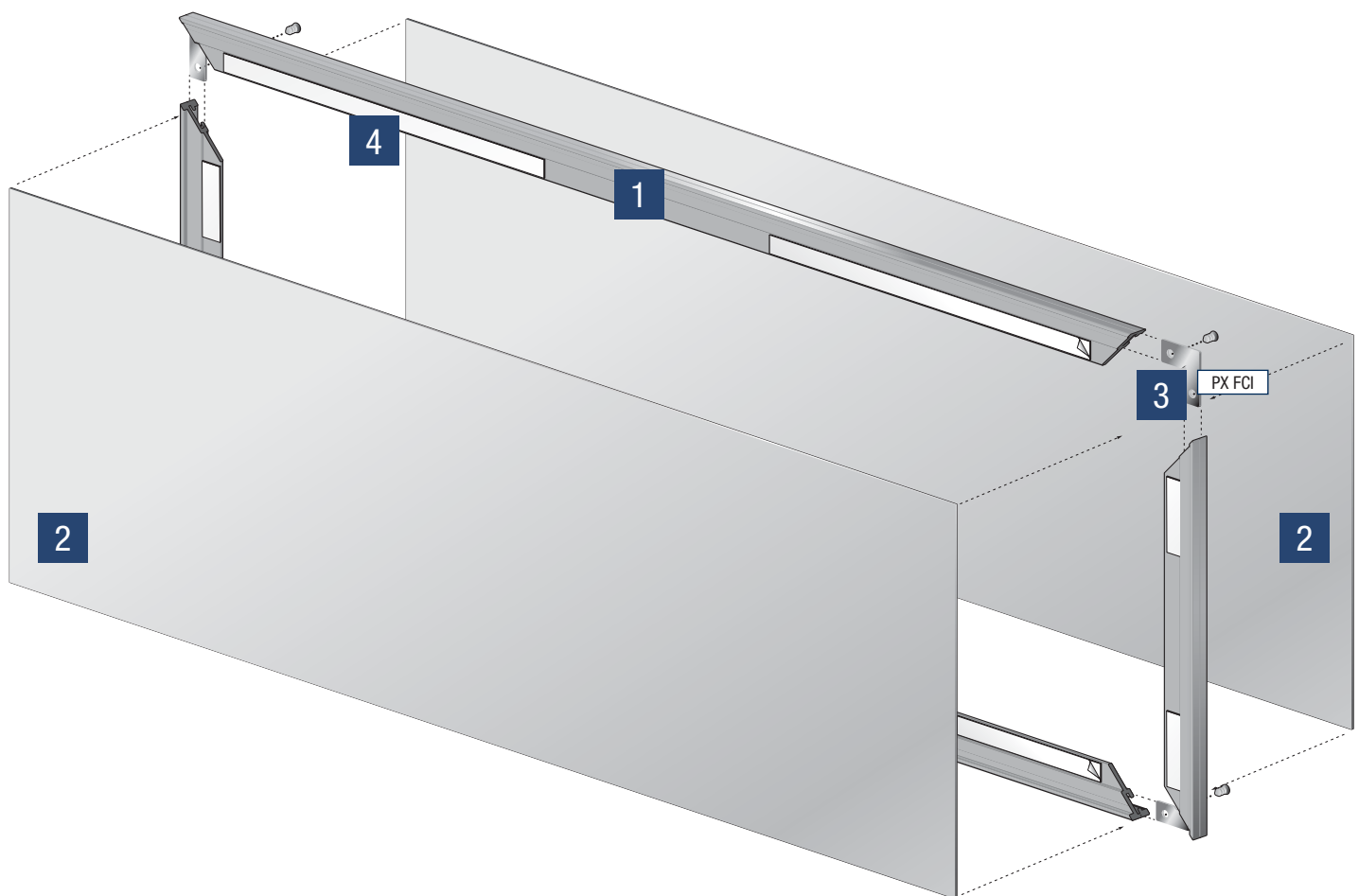
CODE	INSERTS
PX 148148 HS	148,5 x 148,5 mm
PX 297148 HS	297 x 148,5 mm
PX 594105 HS	594 x 105 mm
PX 594148 HS	594 x 148,5 mm
PX 600105 HS	600 x 105 mm

Dimensions on stock – other dimensions possible on request



## CONSTRUCTION EXAMPLE PLATO X HANGING SYSTEM

1. Plato X - hanging sign
2. Text frame in dibond or aluminium sheet of 2 or 3 mm thickness
3. PX fixing inox corner
4. Double tape



## TECHNICAL DATA

### 1. LENGTH OF THE PROFILES

All the profiles are supplied in lengths of 5.02 metres, except for the outdoor uprights, totem and highlight profiles - they come in lengths of 6.02 metres.

### 2. THE ALUMINIUM ALLOY

American standard: AA 6060

British standard: HE 9

German standard: ALM GSI 0.5

European standard: EN AW 6060

### 3. SHOP-PRIMING OF THE ALUMINIUM

Stoving work: the pre-treatment can only be done properly with aluminium of the right grade and the stoved aluminium will have no visible surface flaws (e.g. extrusion lines).

The pre-treatment is done by dip-coating and this in accordance with DIN 50939.

It comprises the following stages:

- degreasing
- removal of any impurities
- the application of a conversion coat

The spraying with paint and the stoving should be done as soon as possible after pre-treatment so as to avoid fouling the workpiece with dust or dirt.

The profiles are hung up and sprayed automatically, in an electrostatic spraying process. Any small areas that might have been missed are touched up, where necessary, by manual spraying. This is followed by having the polyester powder cured in a chamber furnace at 200 °C, for 12 minutes.

The polyester which is used for this is a thermosetting coating with a base of saturated polyester resins. The surface treatment is ideal for use in the building industry due to its good weather resistance, resistance to ageing and its resistance to UV light.

Thickness of primer: 60 microns.

The panels are guaranteed colourfast. The colours, in the production process, are kept permanent.

### 4. QUALITY OF THE ALUMINIUM PROFILES

Alusign aluminium profiles meet the quality standard, ISO 2000.

### 5. ANODIZING OF THE PROFILES

Alusign profiles achieve the QUALANOD - EWAA/ EURAS quality seal for architectural anodization.

The procedure for a 15 micron, colourless, anodization coat, with a satin finish:

#### DEGREASING:

The profiles are immersed in hot water for 20 minutes (tensides 35 g/l) at 65 °C. The bath is agitated with air.

#### PICKLING:

The profiles are satinized by mat dipping in caustic soda at 1 % conc. at 55 °C by the "Epal" method, for 18 minutes.

#### ANODIZATION:

The anodization is done in sulphuric acid (150 g/l) + oxalic acid (15 g/l) at a temperature of 22 °C.

The current density is 1.5 A/dm<sup>2</sup>. The voltage is 20 V.

The bath is agitated with air.

The anodization time is more than 55 minutes.

The coating after each charge is checked using a Fischer coating thickness meter.

#### CONDENSATION

Condensation takes place in stainless steel vats filled with demineralized water at a temperature of 98 °C.

The pH of the water lies between 5.5 and 6.5. Silicates (10 mg/l) and the electric conductance (1,500 µS, viz. microsiemens) of the water are measured daily.

The condensation time must not be shorter than 3 minutes per micron.

The quality of the condensation is measured every 2 hours by means of a drop test and every other day by means of a test for weight loss.

#### RINSING:

Between the active baths the profiles are rinsed in several baths, the last of which contains demineralized water.

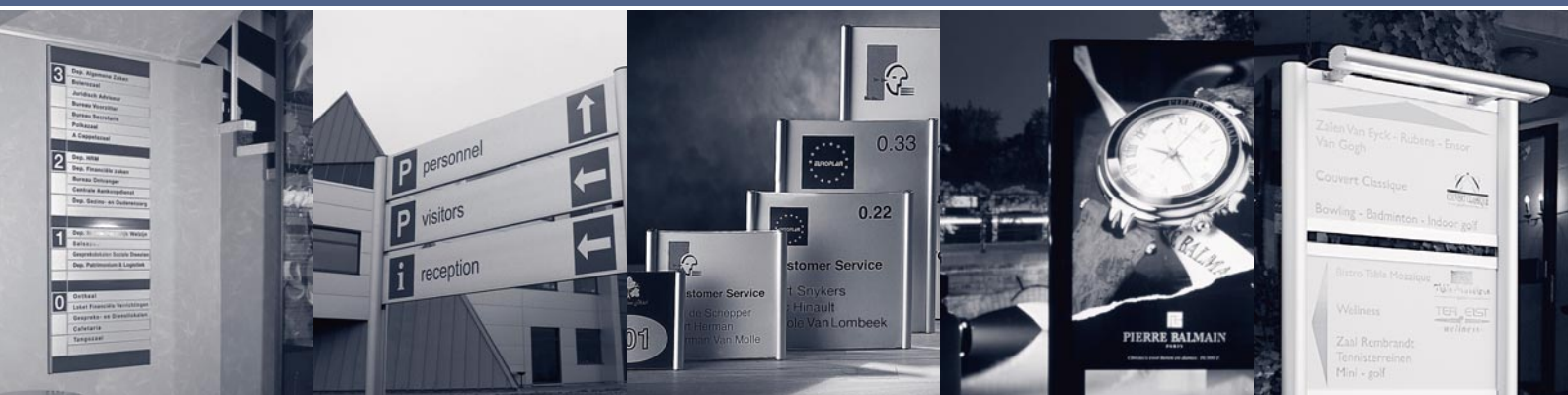
### 6. PLASTIC END CAPS

The plastic end caps for the "indoor system" are made of P.P.

The plastic end caps for the "outdoor system" are made of P.A.6.0.

*Let show you the way*

Let show you the way



**alu**  **SIGN**

**Alusign**

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Your Alusign specialist: