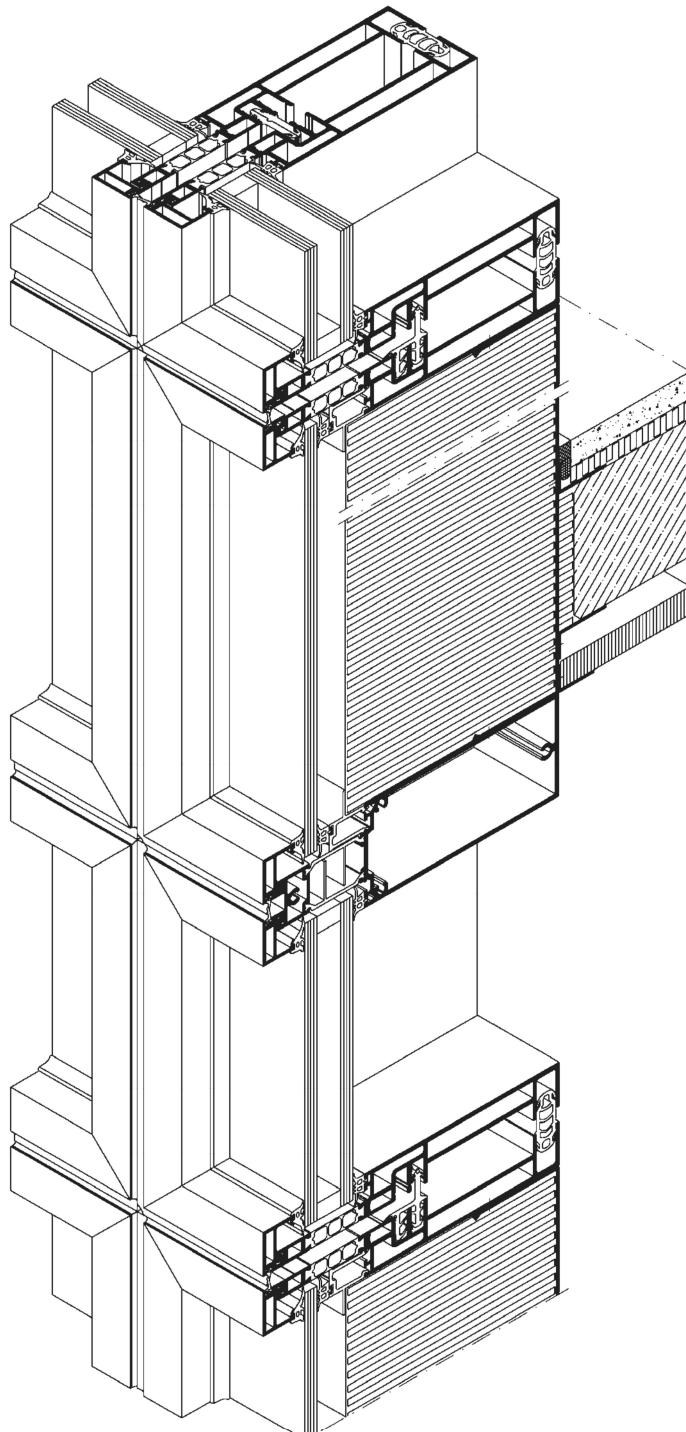


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# WICTEC EL60

Unitized facade



## Programme Information

Complete WICTEC EL60 façade units are prefabricated with glazings and parapet units in the workshop.

The ready-made units are mounted on façade anchor aligned before at site.

Unit sizes: maximum up to 2.8 m width and 3.5 m height,  
without centre mullion up to 1.5 m width.

Installation of vent sash with clamping frame and window profiles of the WICLINE series.  
Hinged doors of the WICSTYLE series.

### Profile technique:

- Same construction depth of mullion and transom.
- Total construction depth 198 mm.
- Extremely narrow sight lines:
  - 60 mm of split mullion with 9 mm expansion joint.
  - 60 mm of unsplit mullion and transom.
- Surface mounted glazing bead frame with mitre cut from outside (picture frame effect).
- Expansion grooves for mounting gasket profiles and coupling units with one another.
- Vertical and horizontal expansion groove of  $9.0 \pm \frac{5}{7}$  mm.

### Frame connecting technique:

- Unit frame corners connected by ready-made, extruded aluminium corner angles and cast aluminium corner angle glued by injection procedure and secured mechanically.
- Directly screwed T-joints.
- T-joints with connector.
- Cross-joints with connector.

### Surface treatment of profiles:

Anodic treatment or powder and wet coatings.

### Glazings:

- Inner and outer glazing gaskets made of EPDM.
- Infill thicknesses:
  - 22 - 36 mm in transparent area.
  - 4 - 12 mm in parapet area.
- Mitre cut glazing bead frames connected by corner angles and safety pins.

### Thermal insulation:

$U_f$  - Value up to 1.6 W/(m<sup>2</sup>K) acc. to DIN EN ISO 10077-2: 2003-12,

$U_{cw}$  - Value up to 0.9 W/(m<sup>2</sup>K) acc. to E DIN EN 13947: 2006-06.



### Sound insulation:

according to DIN 4109.





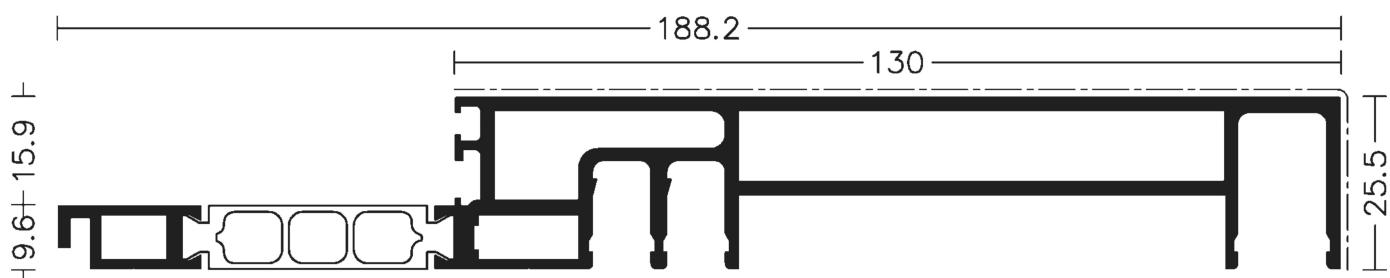
# WICTEC EL60

# Frame profiles

## Unitized facade

Profiles	L m	Elox. ext. mm	Perim. vis. mm	Corner connections:			drill template	Crimped connection inside cutting Prof.(mm)	outside cutting Prof.(mm)	Crimping tool
				Bolt internal Cor. ang.	Bolt external Cor. ang.	Pin				
1030005	6.0	532	155	-	-	-	-	-	-	-

### 1030005



Note:

Inner corner connection at the top:

Corner angle 4050458

Connecting device: 4x 4070000

Drill template 5010553

Inner corner connection at the bottom:

Corner angle 4050460

Connecting device 4x 4070000

Drill template 5010553

Corner connection in the centre:

Cast aluminium corner angle 4050457

Connecting device 2x 4070000

Drill template 5010553

Outer corner connection:

Corner angle 4050459

Connecting device 2x 198005

Drill template 5010554

T-joint with profile 1030006:

Connecting device 4x 4070091

3x Caps 4040408

Drill template 5010556

# WICTEC EL60

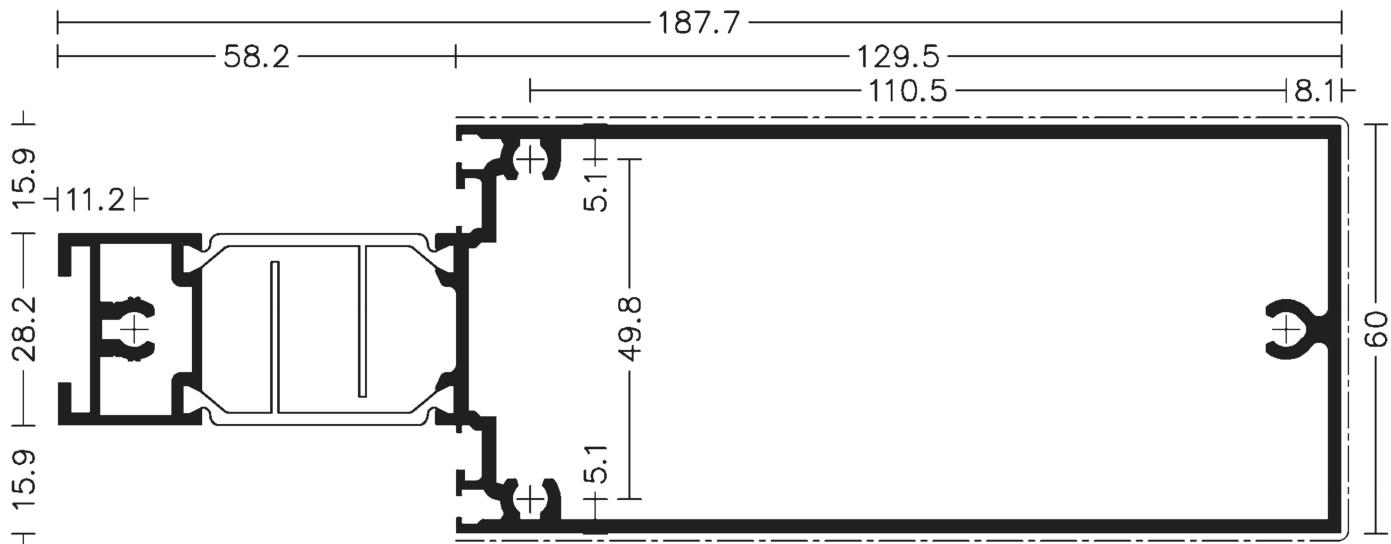
Unitized facade

## Mullion / Transom profiles

Profiles	L m	Elox. ext. mm	Perim. vis. mm	Reinforcement Profile 1	Reinforcement Profile 2	punching tool (Corner and butt-joint connection) multi-hand p. ins. hand p. out. single p.	Hollow - Connector	Cutting Profile	Drill template Mullion	Drill template Transom
1030006	6.0	518	319	-	-	-	-	-	-	-

Profiles	Round - Connector	Drill template Mullion	Drill template Transom	U - Connector	Cutting Profile	Drill template Mullion	Drill template Transom	Subsequent assembly Connector	Drill template Mullion	Drill template Transom
1030006	-	-	-	-	-	-	-	-	-	-

**1030006**



Note:

T-joint of 1030005/1030006:

Direct screwing with 4x 4070091/  
3x 4040408.

Drill template 5010556

T-joint of 1030006/1030006:

1x Connector 4060362

1x 4070091

1x 4040408

2x 4070000

2x 4070026

2x 4070163

Cross joint of 1030006/1030006:

2x Connector 4060362

1x 4070444

2x 4070447

4x 4070000

4x 4070026

4x 4070163

Drill templates 5010556/5010557

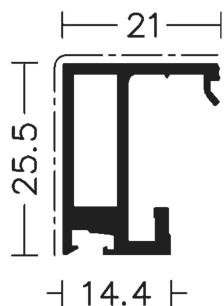
# WICTEC EL60

Unitized facade

## Glazing bead profiles

Profiles	L m	Elox. ext. mm	Perim. vis. mm	Corner connections:	Cast aluminium corner angle punching tool (Corner and butt-joint connection)	multi- hand p. ins.	hand p. out.	single p.
3030066	6.0	131	46	-	-	-	-	-
3030085	6.0	131	46	-	-	-	-	-

**3030066**

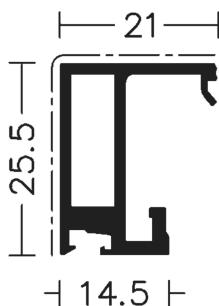


Only for powder coated type.  
Corner angle: 4050456

Note:  
Connecting device 2x 4070446  
Drill template 5010560,  
Drill template 5010561  
for safety pin 184945

Interchangeable tool for hand punch 5040101:  
5040348

**3030085**



Only for anodized type.  
Corner angle: 4050456

Note:  
Connecting device 2x 4070446  
Drill template 5010560  
Drill template 5010561  
for safety pin 184945

Interchangeable tool for hand punch 5040101:  
5040348

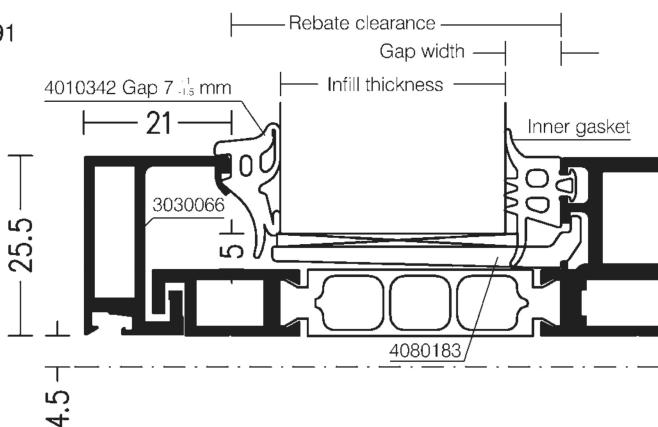
# WICTEC EL60

# Selection tables

## Unitized facade

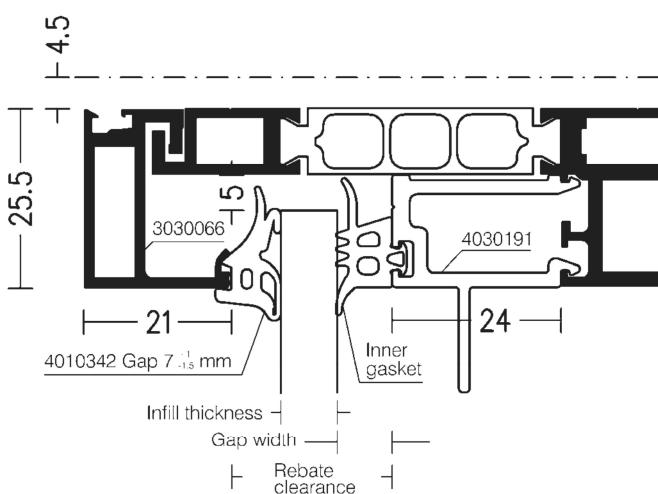
Frame profile 1030005 without adapter 4030191  
 Mullion/Transom profile 1030006

Glazing bead, construction depth 21 mm		
Outer gasket	Glass thickness (mm)	Inner gasket
4010342 (7 mm)	22	4010085 (18 mm)
	24	4010084 (16 mm)
	26	4010083 (14 mm)
	28	4010014 (12 mm)
	30	4010013 (10 mm)
	32	4010012 (8 mm)
	34	4010011 (6 mm)
	36	4010010 (4 mm)



Frame profile 1030005 with adapter 4030191  
 Mullion/Transom profile 1030006

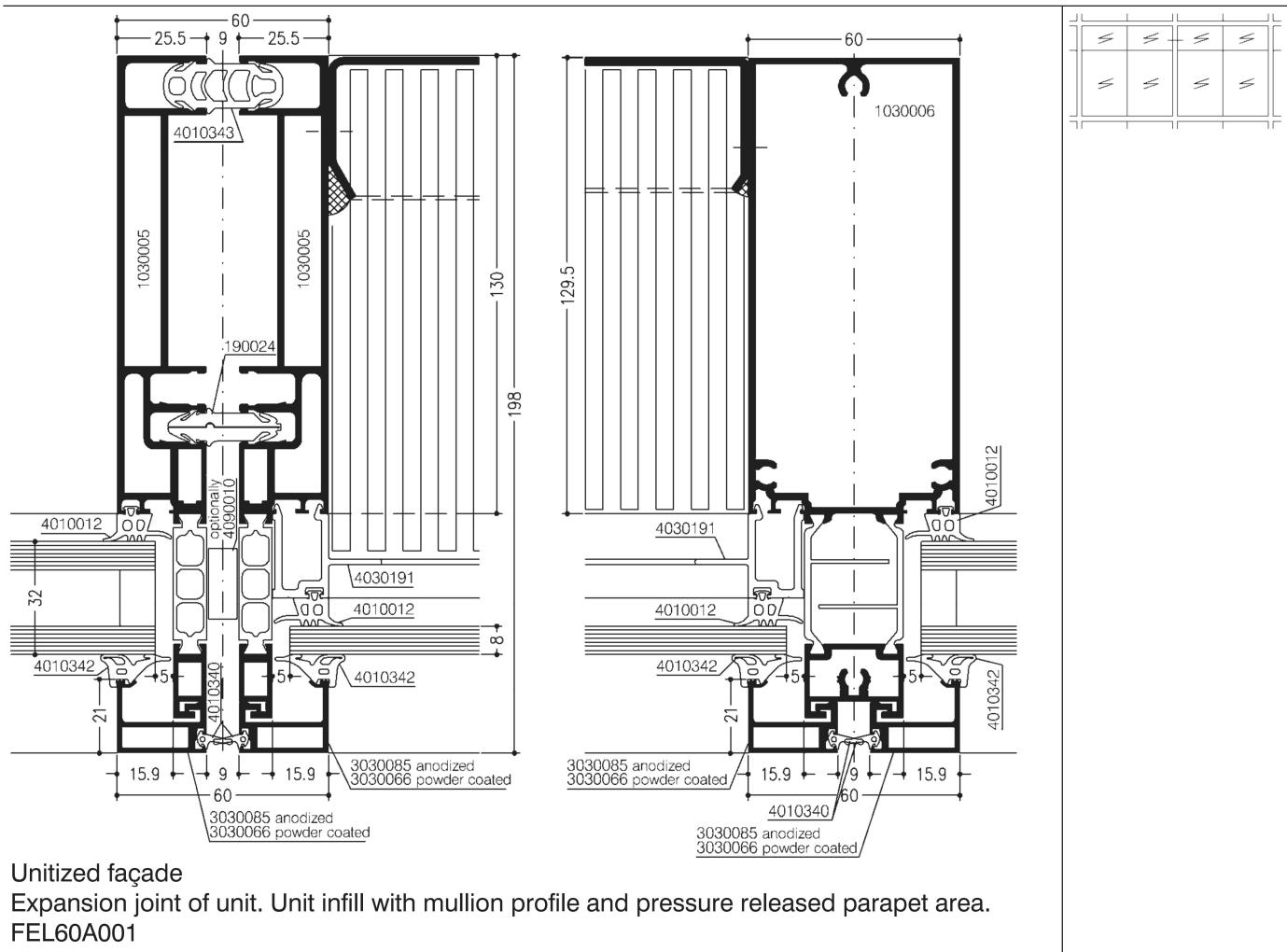
Glazing bead, construction depth 21 mm		
Outer gasket	Glass thickness (mm)	Inner gasket
4010342 (7 mm)	4	4010014 (12 mm)
	6	4010013 (10 mm)
	8	4010012 (8 mm)
	10	4010011 (6 mm)
	12	4010010 (4 mm)



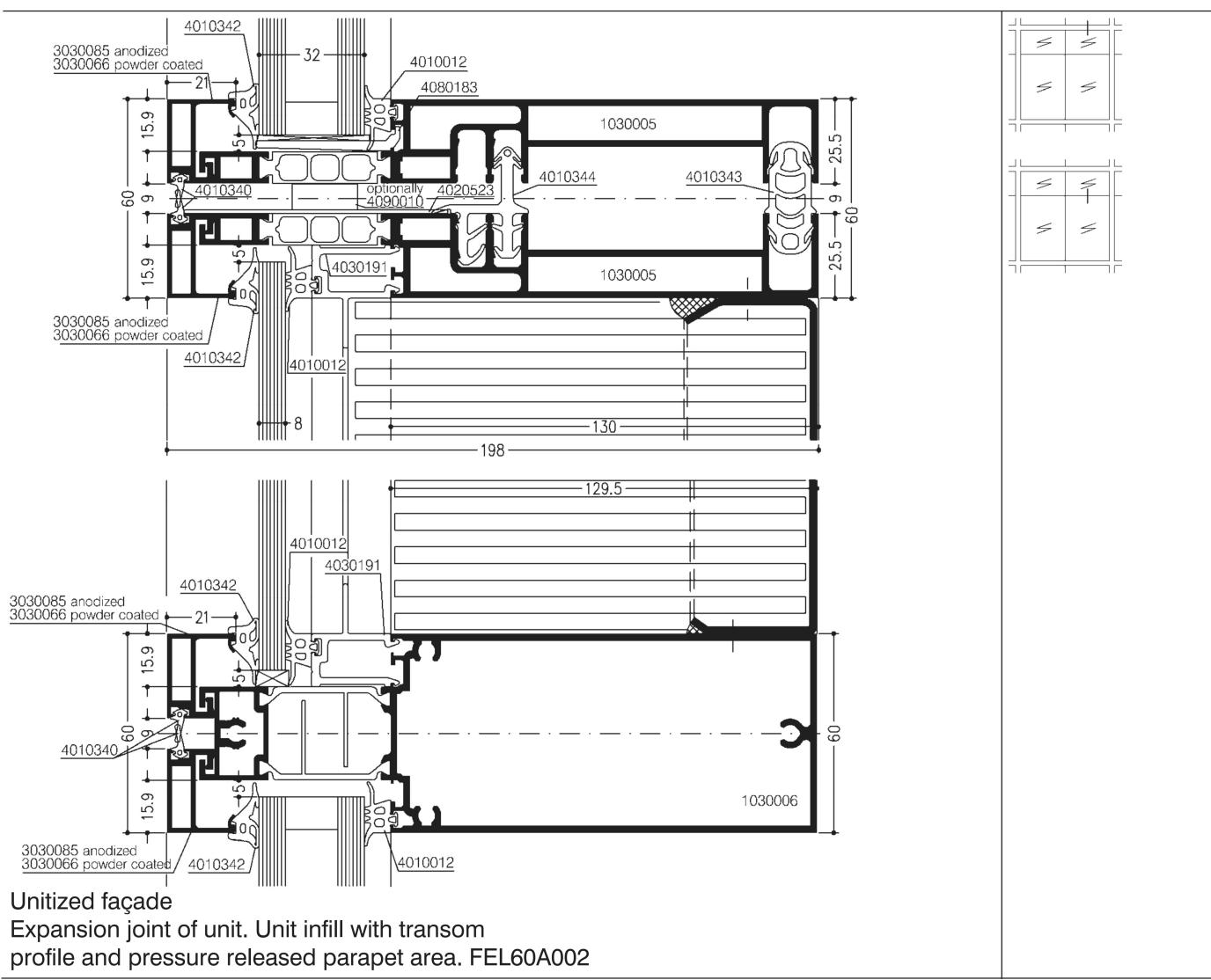
# WICTEC EL60

## Examples of application

### Unitized facade



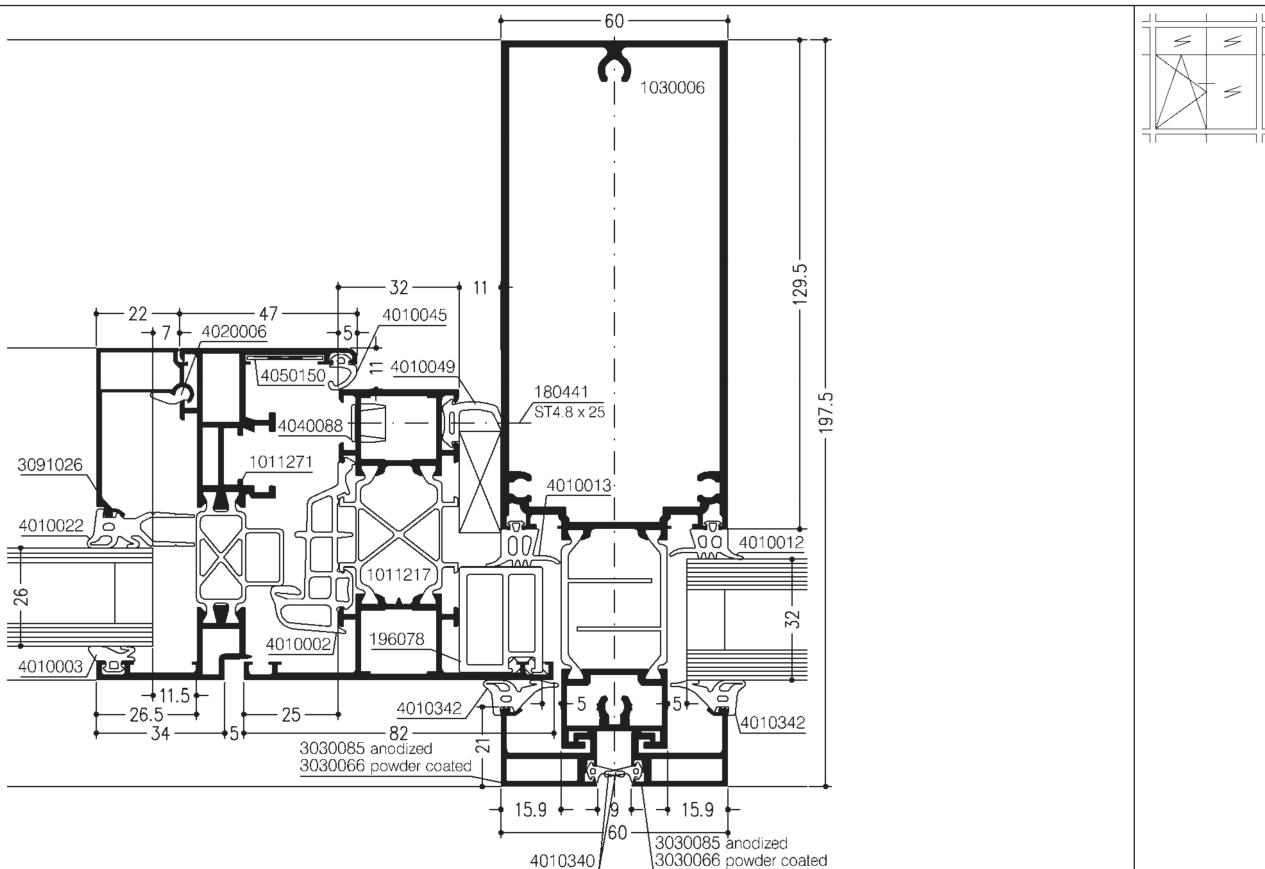
### Unitized facade



# WICTEC EL60

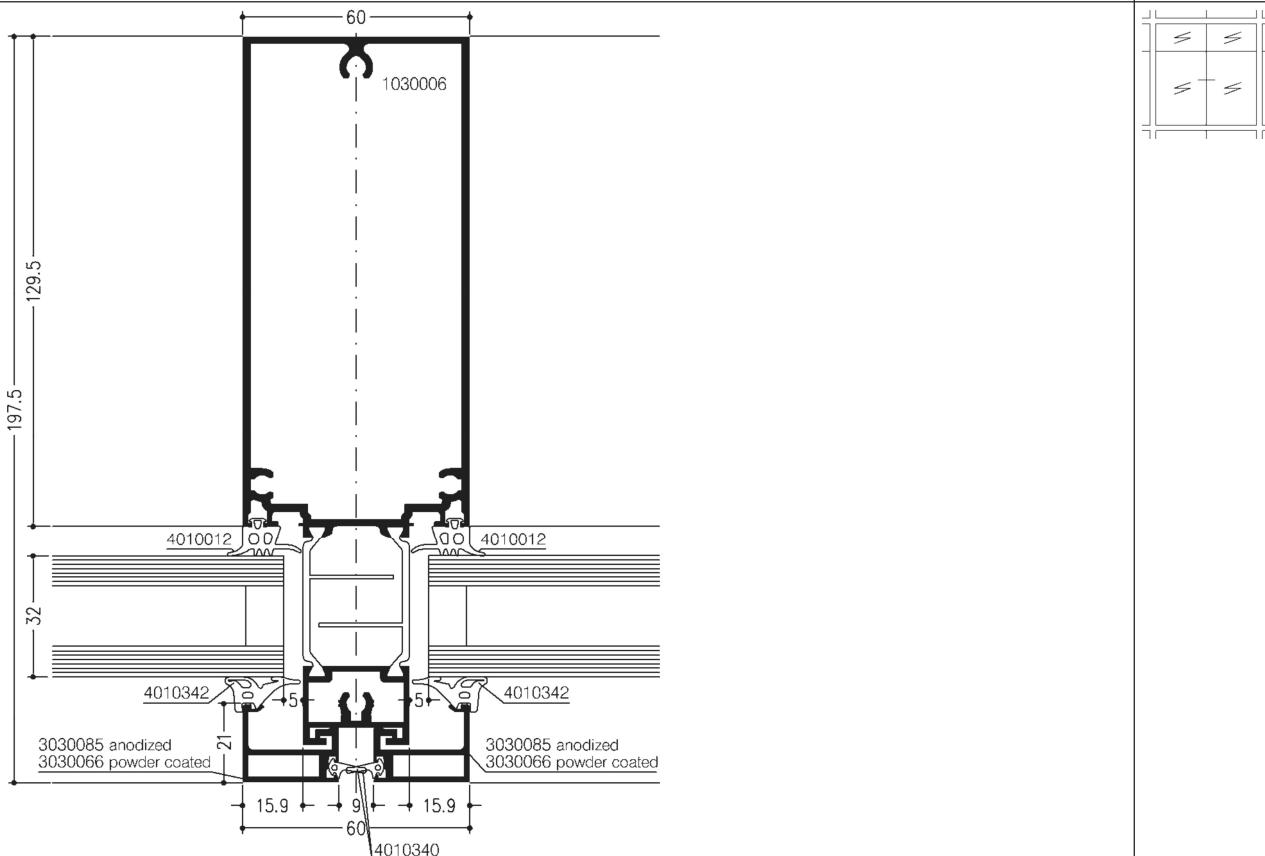
## Examples of application

### Unitized facade



### Unitized façade

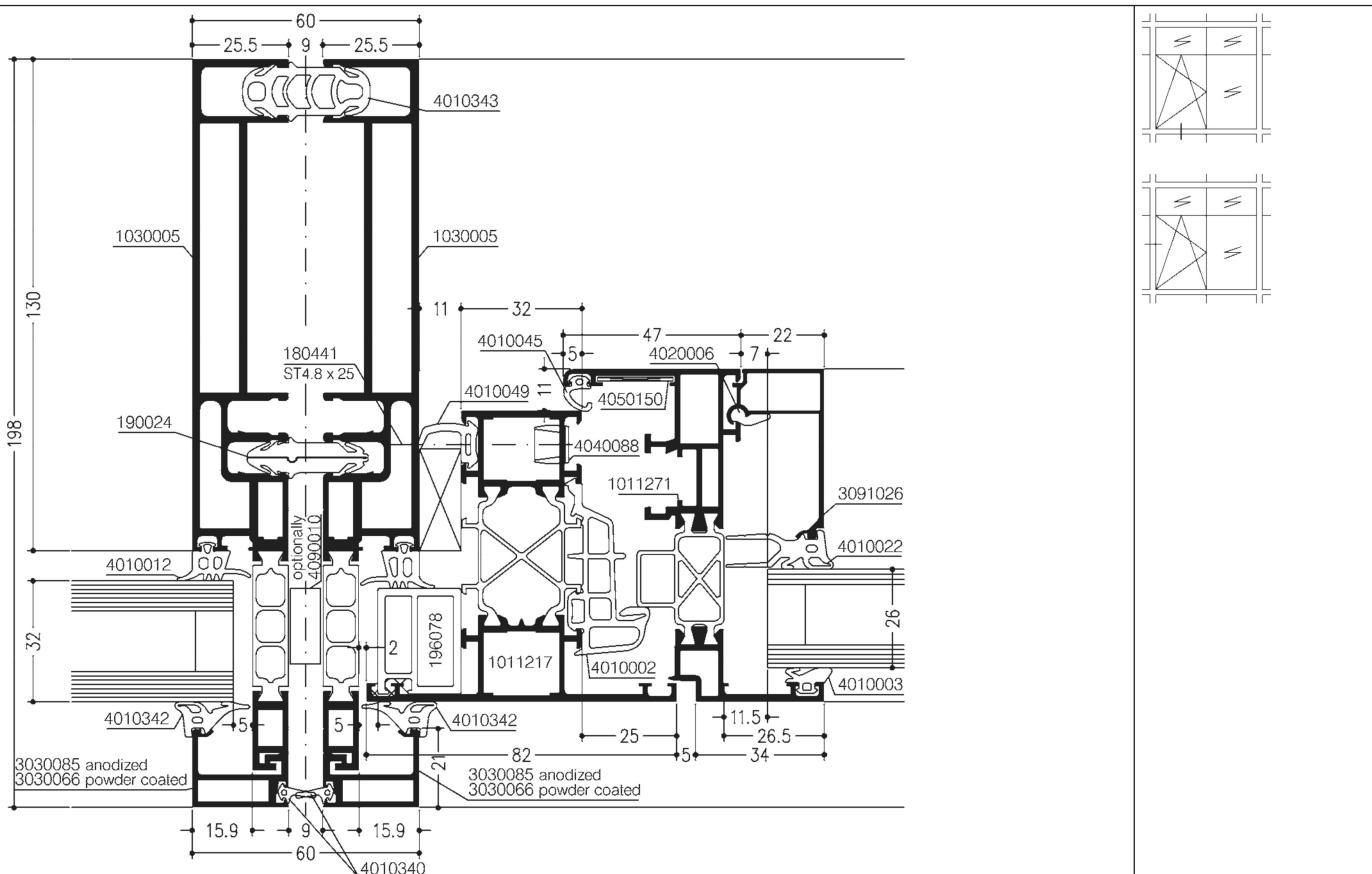
Mullion profile with fixed glazing and WICLINE 77 vent sash. FEL60A003



### Unitized façade

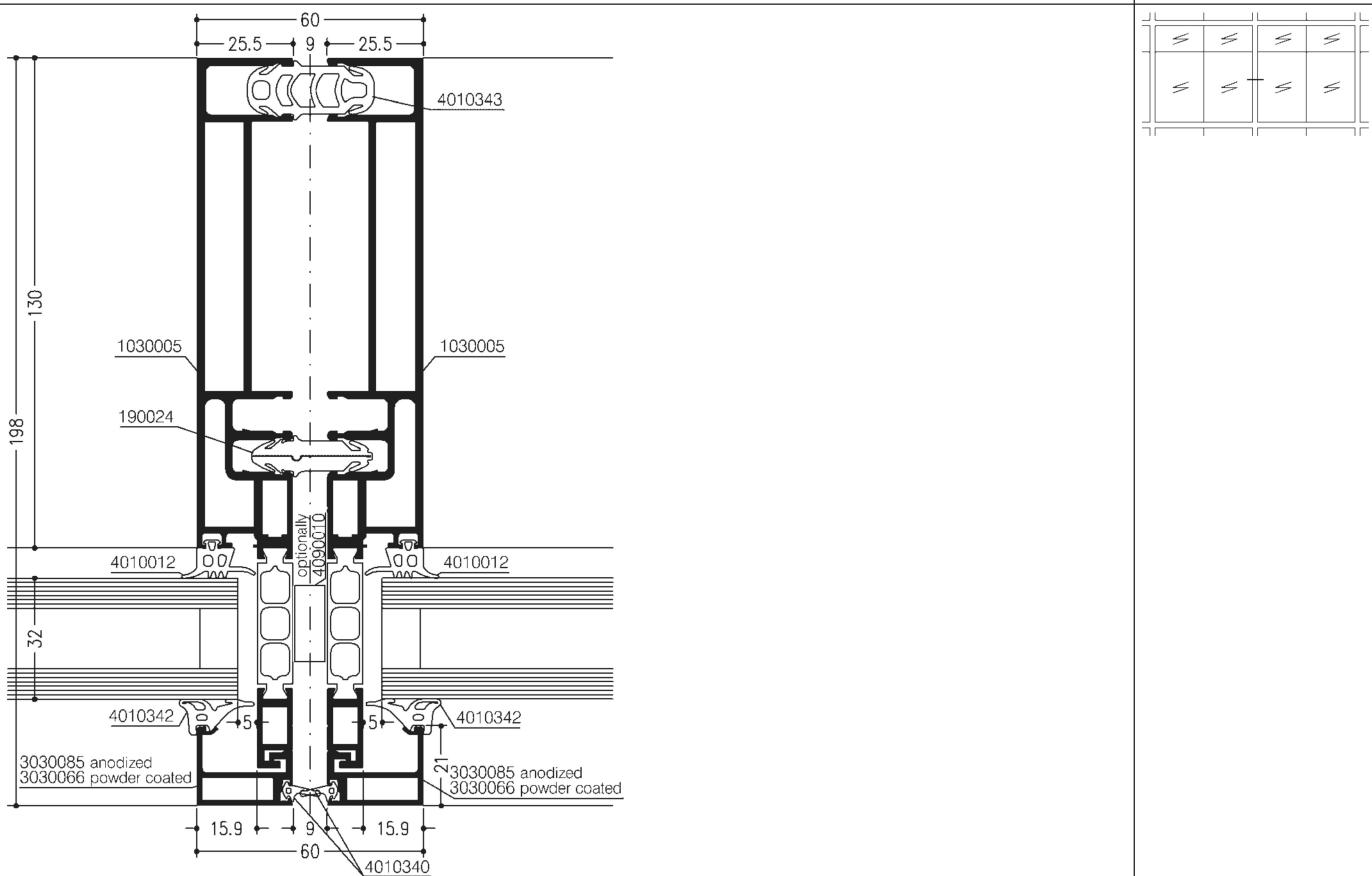
Unit infill with mullion profile in transparent area. FEL60A004

### Unitized facade



### Unitized façade

Expansion joint of unit with fixed glazing and WICLINE 77 vent sash. FEL60A005



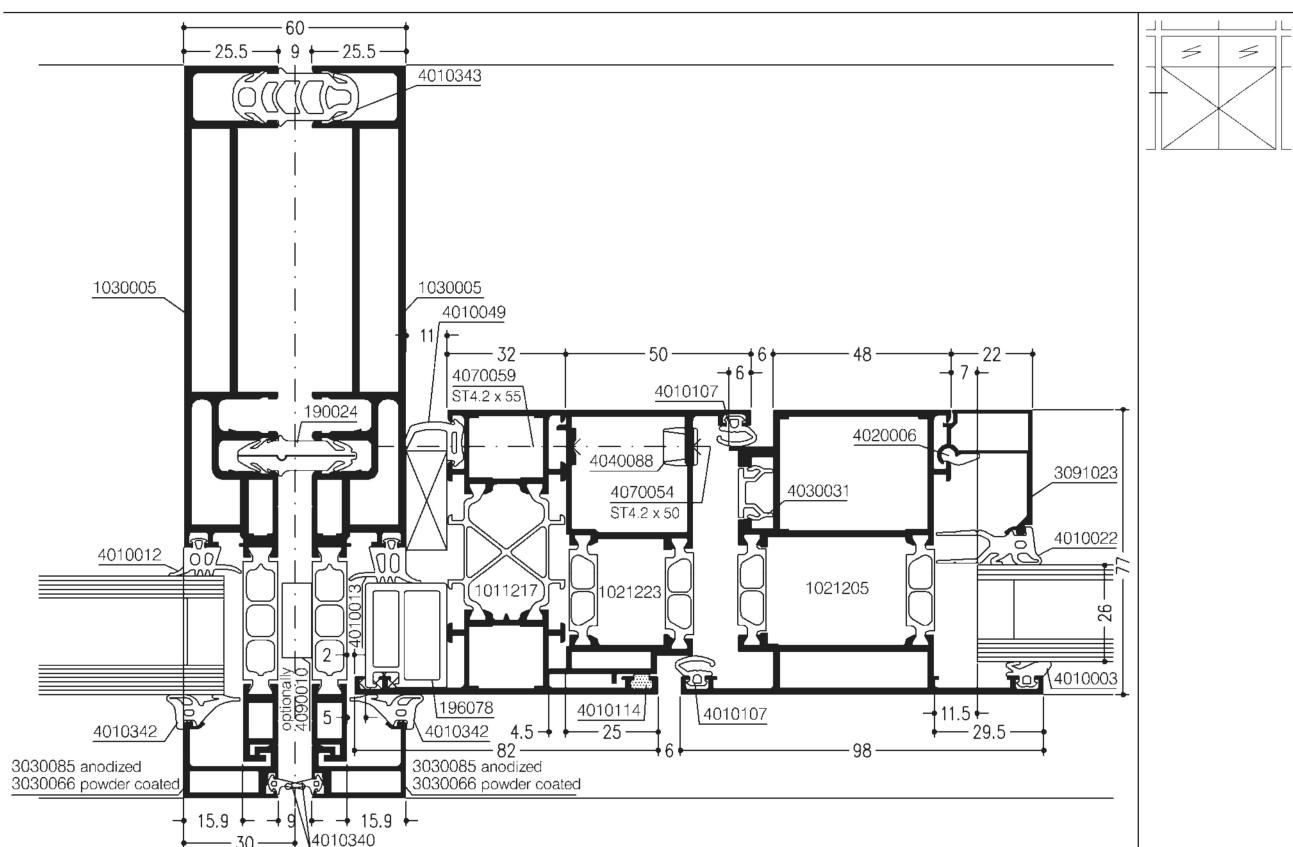
### Unitized façade

Expansion joint of unit with split mullion profile in transparent area. FEL60A006

# WICTEC EL60

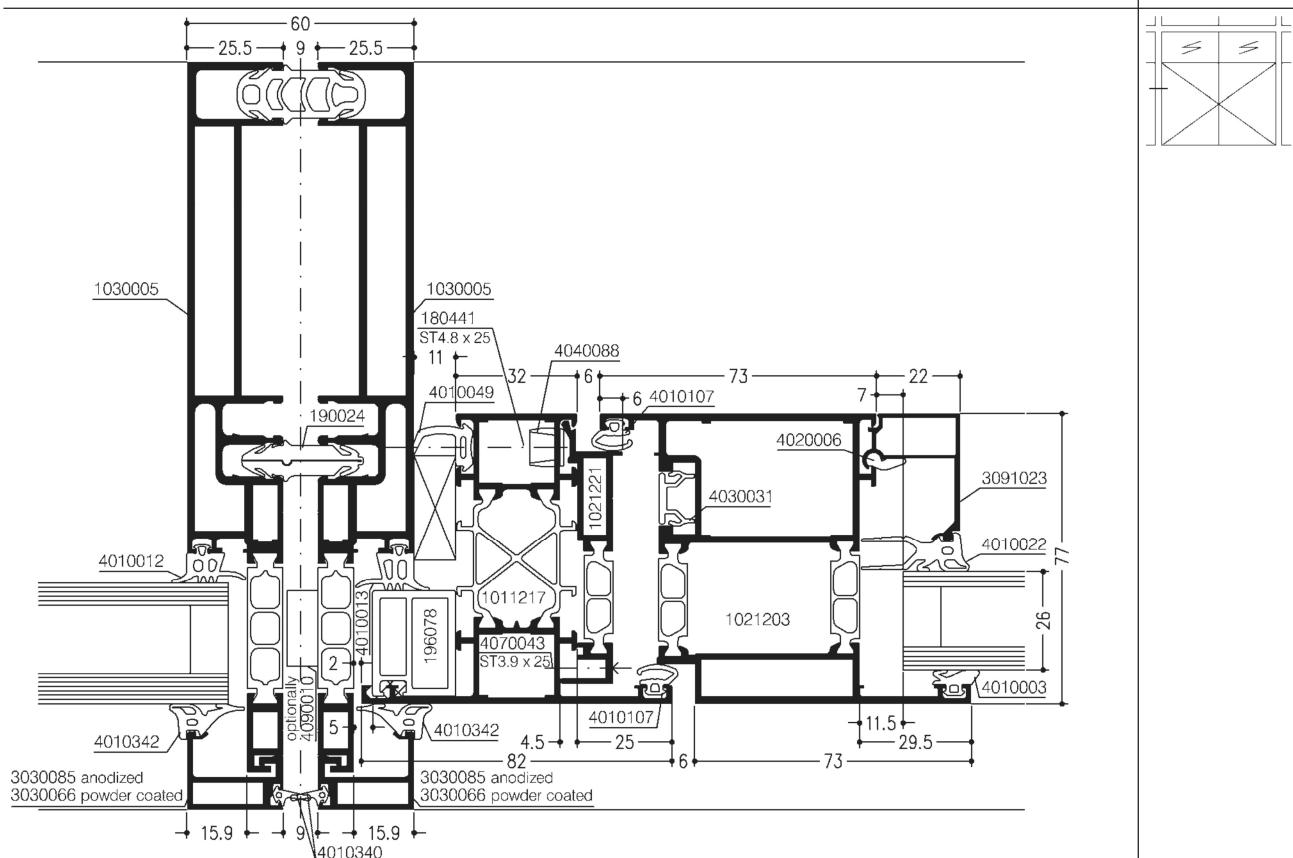
## Examples of application

### Unitized facade



### Unitzed façade

Expansion joint of unit with fixed glazing and WICSTYLE 77 double leaf hinged door, outwards. FEL60A007



### Unitzed façade

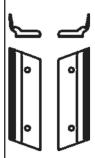
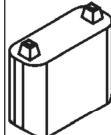
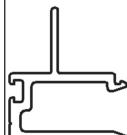
Expansion joint of unit with fixed glazing and WICSTYLE 77 double leaf hinged door, inwards. FEL60A008



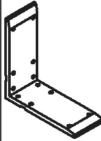
# WICTEC EL60

# Accessories

Unitized facade

Article	PU	Application	Material	Designation	Hints	Figure
4010340	200 m	WICTEC EL60	EPDM, black	Gasket	Glazing bead gasket for expansion joint. Gap 9 mm. Vulcanized gasket frames are possible. Demand for order form.  Gasket frame no. 4020551  Assignment: 3030066 3030085	
4010342	200 m	WICTEC EL60	EPDM, black	Gasket	Outer glazing gasket. Gap 7 mm. Circumferential gasket with horizontal joint at the top centre.	
4010343	100 m	WICTEC EL60	EPDM, black	Gasket for ex- pansion joint grooves	Groove 12.8 mm.  Assignment: 1030005	
4010344	100 m	WICTEC EL60	EPDM, black	Gasket for ex- pansion joint grooves	Groove 8.3 mm  Assignment: 1030005	
4020523	20 p.	WICTEC EL60	EPDM, black	Joint cover	Self-adhesive	
4020543	1 set 1 exists of: 1 x 4020522 1 x 4020530	WICTEC EL60	EPDM, black	Water draining part	Connecting device: 4 x 4070040  Drill template: 5010558  Assignment: 1030005	
4020545	40 p.	WICTEC EL60	EPDM / Rubber sponge, black	Moulded gasket part	Assignment: 1030005 4010343	
4020551	1 p.	WICTEC EL60	EPDM, black	Vulcanized gasket frame	Vulcanized gasket frame made from gasket 4010340. Demand for order forms.  Assignment: 3030066 3030085	
4030191	6 m	WICTEC EL60	ABS, black	Adapter	Assignment: 1030005 1030006	

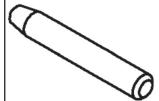
## Unitized facade

Article	PU	Application	Material	Designation	Hints	Figure
4040408	20 p.	WICTEC EL60	PE, black	Cap	For Ø9 mm borehole	
4050456	1 p.	WICTEC EL60	Aluminum	Corner angle	Connecting device: 2 x 4070446  Assignment: 3030066 3030085	
4050457	1 p.	WICTEC EL60	Cast aluminium	Cast aluminium corner angle	Connecting device: 2 x 4070000  Assignment: 1030005	
4050458	1 p.	WICTEC EL60	Aluminum	Corner angle	Connecting device: 4 x 4070000  Assignment: 1030005	
4050459	1 p.	WICTEC EL60	Aluminum	Corner angle	Connecting device: 2 x 198005  Assignment: 1030005	
4050460	1 p.	WICTEC EL60	Aluminum	Corner angle	Connecting device: 4 x 4070000  Assignment: 1030005	
4060362	1 p.	WICTEC EL60	Aluminum	Connector	Connecting device:  T-joint: 1 x 4070091 1 x 4040408 2 x 4070000 2 x 4070026 / 2 x 4070163  Cross joint: 1 x 4070444 / 2 x 4070447 4 x 4070000 / 4 x 4070026 4 x 4070163  Drill template: 5010556 / 5010557  Assignment: 1030006	

# WICTEC EL60

# Accessories

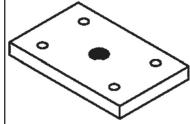
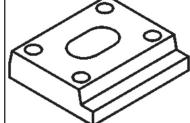
Unitized facade

Article	PU	Application	Material	Designation	Hints	Figure
4070300	100 p.	WICTEC EL60	Stainless steel	Supporting bolt	Application: Bearing glass load. Admissible load bearing capacity for 3 bolts: 900 N Drill template: 5010559  Assignment: 1030005	
4070444	100 p.	WICTEC EL60	Stainless steel	Connecting pin	Application: Cross joint connection of outer profile shell. 1 piece per cross joint. Drill template: 5010556 5010557  Assignment: 1030006	
4070446	100 p.	WICTEC EL60	Stainless steel	Cylindrical pin Ø3.1 x 9 mm	Application: Corner connection of glazing bead.  Assignment: 3030066 3030085	
4070447	100 p.	WICTEC EL60	Stainless steel	Cylindrical pin Ø3 x 20 mm	Application: Cross joint connection of outer profile shell. 2 pieces per cross joint.  Assignment: 1030006	
4080183	1 p.	WICTEC EL60	Aluminum	Glazing support (shim)	Secure against slipping.  Admissible load bearing capacity per shim: 500 N  Assignment: 1030005 1030006	
4080208	1 p.	WICTEC EL60	Aluminum	Mounting part	Drill template: 5010558 Connecting device: 4 x 4070232 Also applicable for suspension of units.  Assignment: 1030005	

# WICTEC EL60

# Accessories

## Unitized facade

Article	PU	Application	Material	Designation	Hints	Figure
4080211	1 p.	WICTEC EL60	Aluminum	Coupling part of unit	<p>Drill template: 5010556</p> <p>Connecting device: 4 Self-tapping oval-head screws ST4.8 x 19, stainless steel, A2</p> <p>Assignment: 1030005</p>	
4080212	1 p.	WICTEC EL60	Aluminum	Coupling part of unit	<p>Drill template: 5010558</p> <p>Connecting device: 4 Self-tapping oval-head screws 4070027</p> <p>Assignment: 1030005</p>	
4080263	1 p.	WICTEC EL60	Stainless steel	Coupling bolt of unit	<p>Application: Coupling unit at the intermediate mullion.</p> <p>Drill template: 5010556</p> <p>Marking template: 5010558</p> <p>Assignment: 1030005</p>	