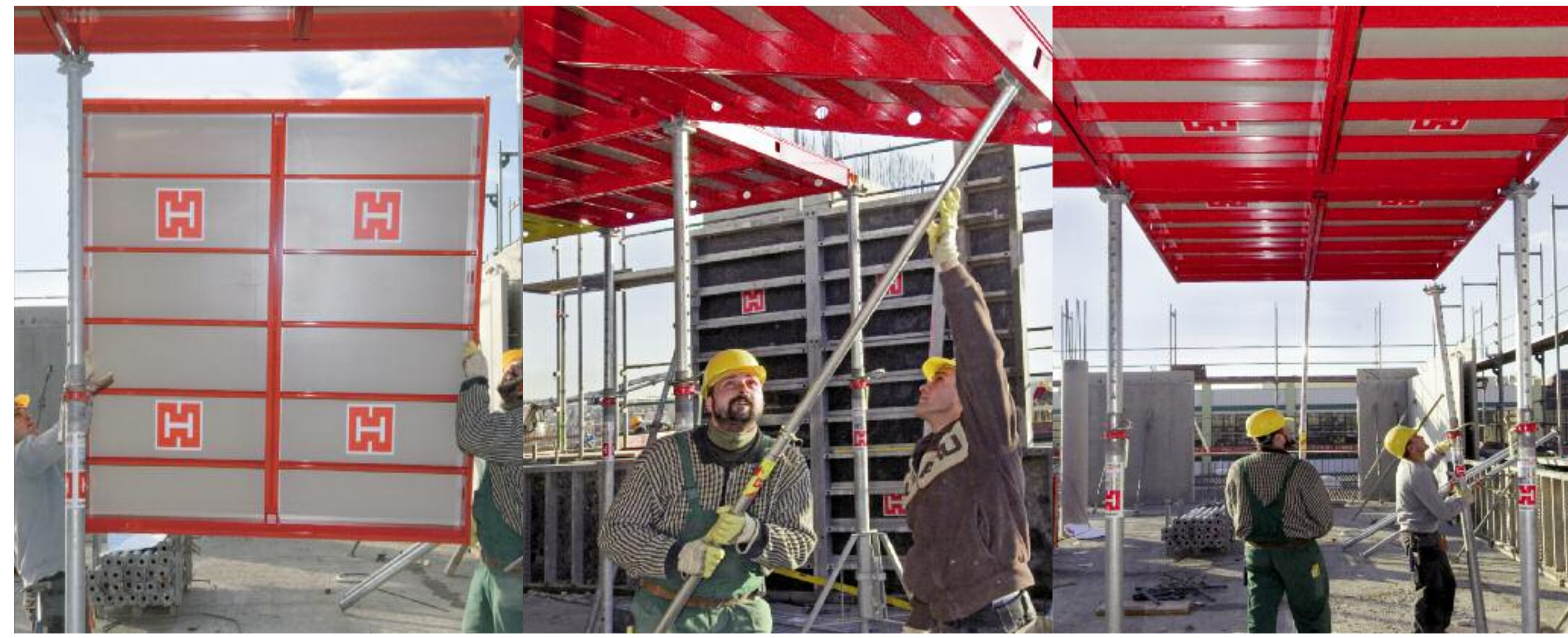


# TOPEC

## Soffit formwork



**TOPEC**  
The beam-free soffit formwork – Quick, convenient, perfect

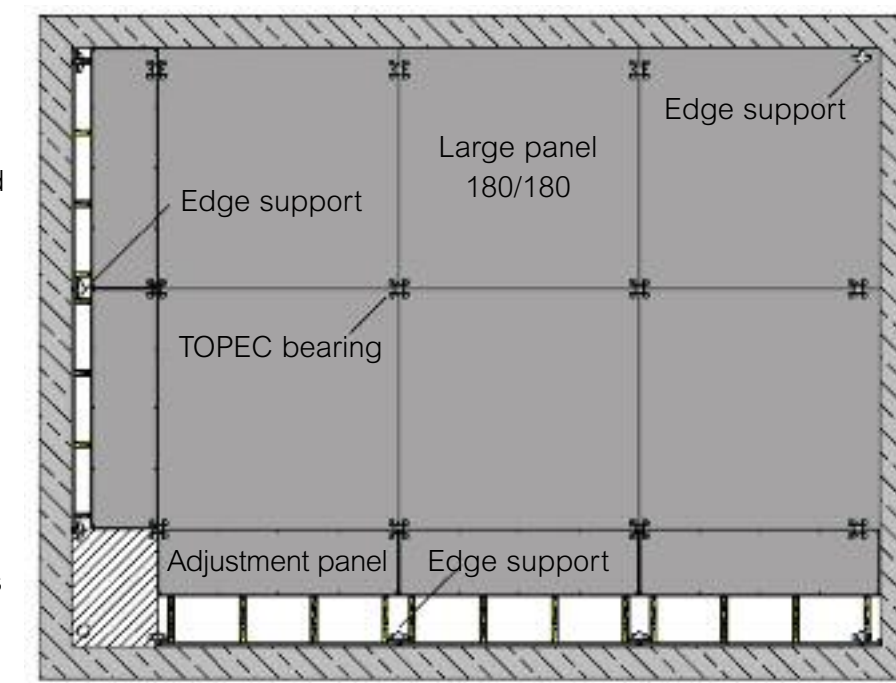


### Product features

The Hünnebeck TOPEC soffit formwork is a frame panel system. It consists of only two basic components: Panel and prop. The aluminum framed panel is light and handy. As a result of the all around powder coated finish, adhesion to concrete is low and cleaning is simple. The multiplex shuttering skin (or ECOPLY Q) is protected by the special frame profiles on all edges and designed for many applications. TOPEC is erected and dismantled from beneath up to room heights of 3.50 m. At heights over 3.50 m the TOPEC panels can be placed either by means of a small mobile scaffold or by the help of the TOPEC-Lift. TOPEC hardly requires preparatory work. Even after only a short period of familiarization shuttering times of less than 0.2 hrs./m<sup>2</sup> can be reached.

### Application planning and erection preparation

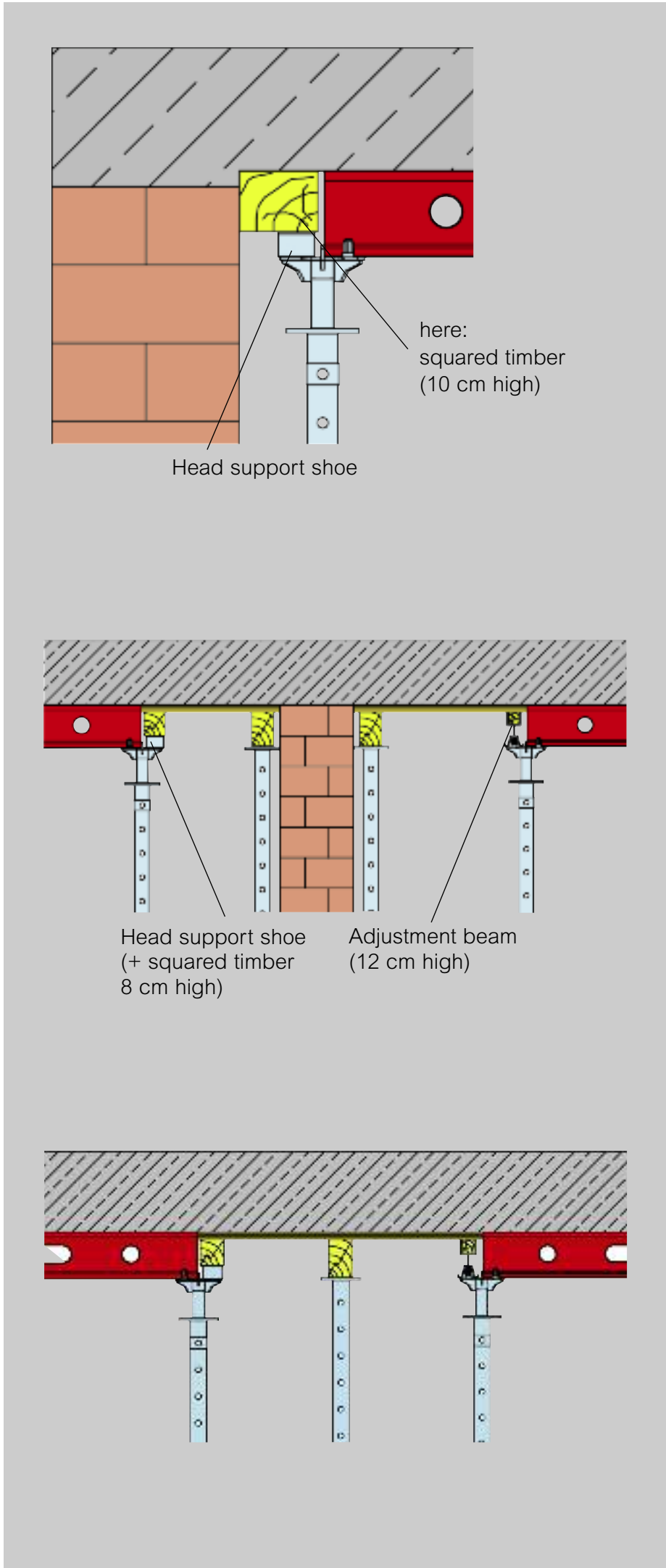
The slab is lined using standard panels. Adjustment sections between 55 and 90 cm can be closed by means of the adjustment panel. For smaller infill sections either adjustment beams with plywood or head support shoes with squared timber and plywood cut-to-size may be used. The large 180/180 panel shall be used in the centre under the joint of the soffit panels. In the event of wall mounting, the soffit panels are pushed over the TOPEC bearing directly against the wall.



### Erection and Stripping

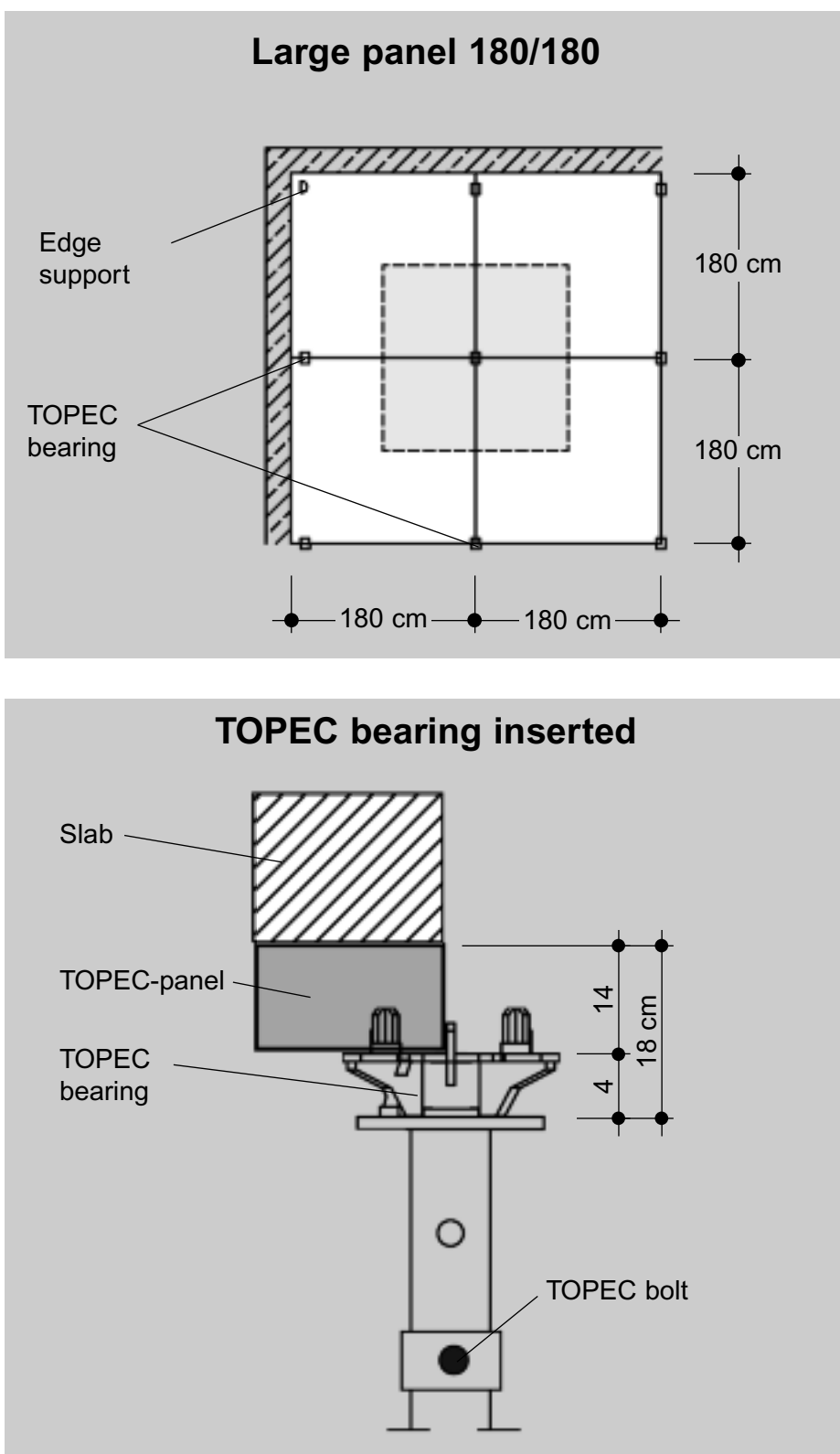
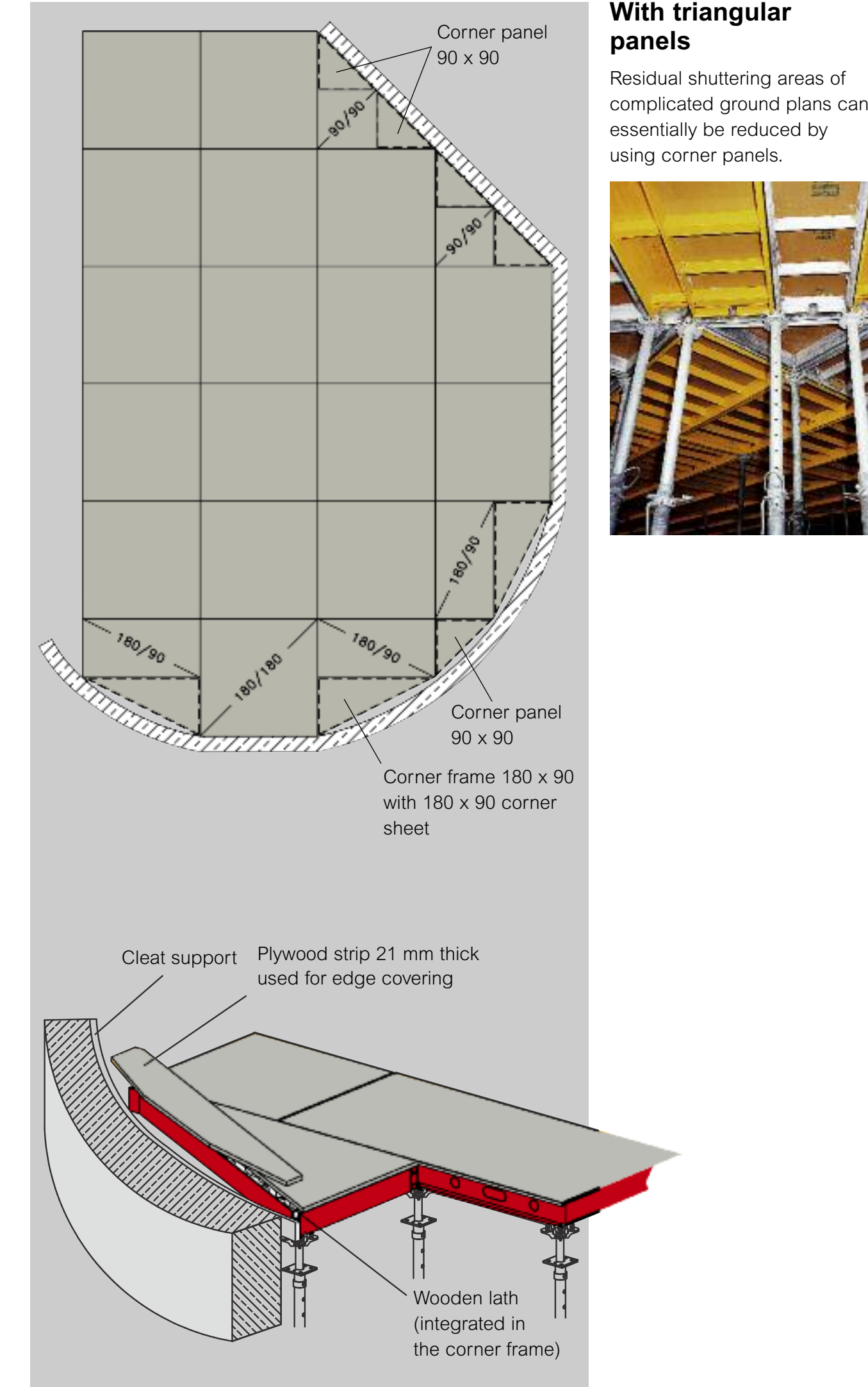
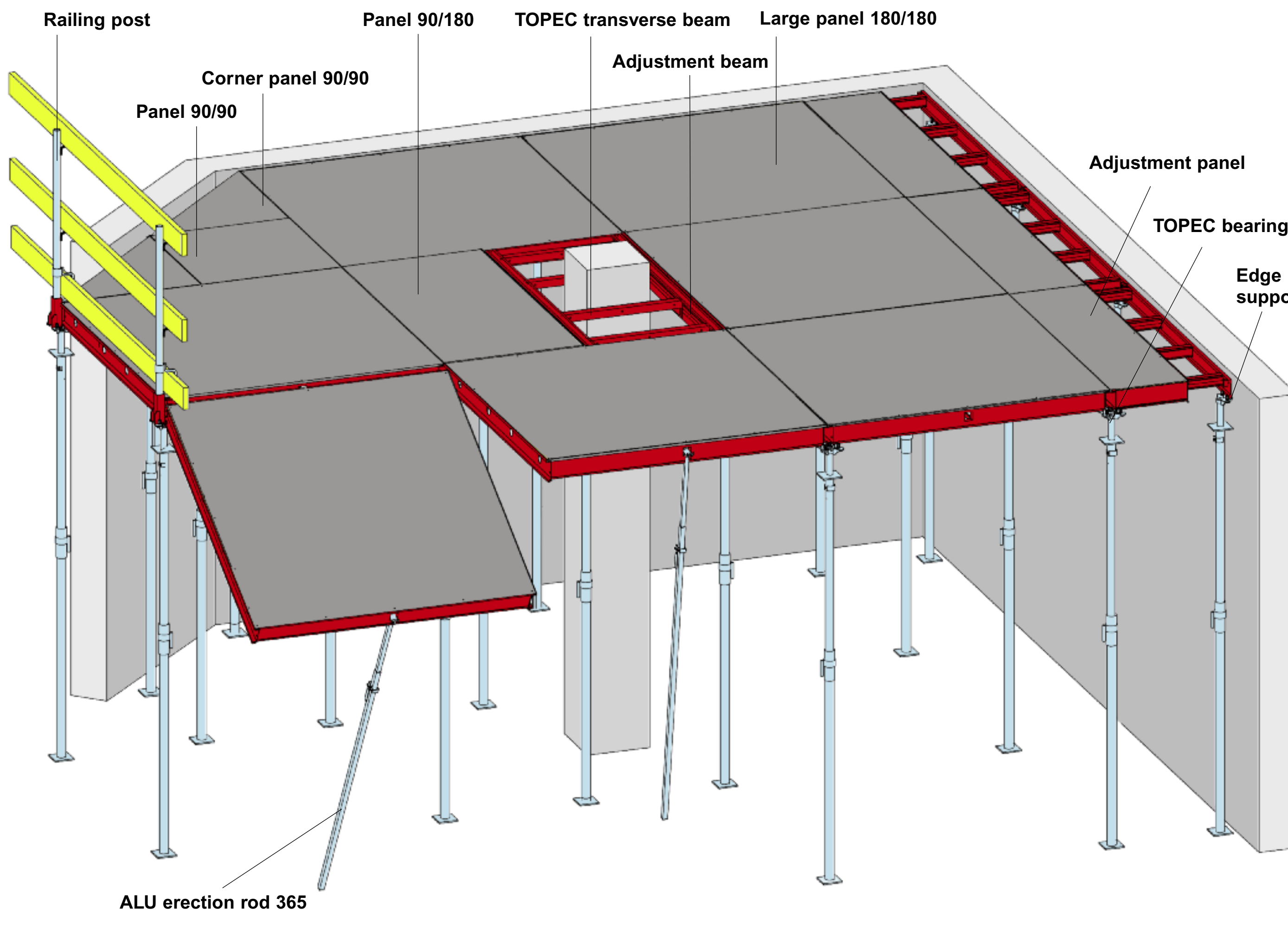
**Erection:** Here, the erection procedure up to a height of 3.30 m is the same as with the small one: **Hooking on—Swinging up—Propping.**

**Stripping:** Stripping the large panel is as simple as the erection with the TOPEC large panel. The 3.30 m high slab can be dismantled without any additional scaffold or platform. **Lowering the props—Swinging the panel down—Detaching the panel.**



### Shuttering adjustment areas

**With adjustment beams (or head support shoes)**  
Using the head support shoe which is placed on the TOPEC bearing and required for supporting the squared timber 8 cm high and the shuttering skin of the infill section. Using the 12 cm high aluminium adjustment beam with integrated wooden lath which replaces the head support shoe with squared timber. It is also simply positioned on the TOPEC bearing. The direction of the already erected TOPEC panels (lengthwise or transverse) is not such an important question here.

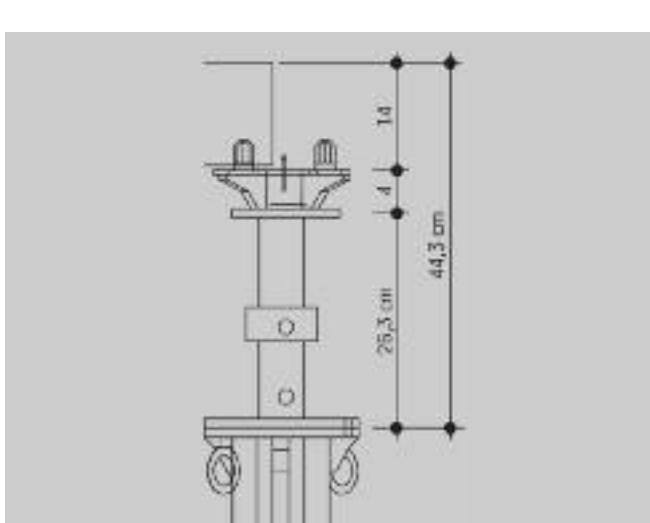


### Permissible slab thickness up to 40 cm when using TOPEC large panels 180/180

The data apply to a TOPEC system which is braced against supporting concrete structures (walls, columns) at the slab forming plane, in other words a system which cannot be dislocated. Deflections according to DIN 18202. Flawless material and exact leveling to be assured. The maximum area of influence per prop is: **A = 3.24 m<sup>2</sup>**



Permissible slab thickness for ALU-TOP props in conjunction with the ALU-TOP adapter for the reception of the TOPEC bearing (panel 180/180)

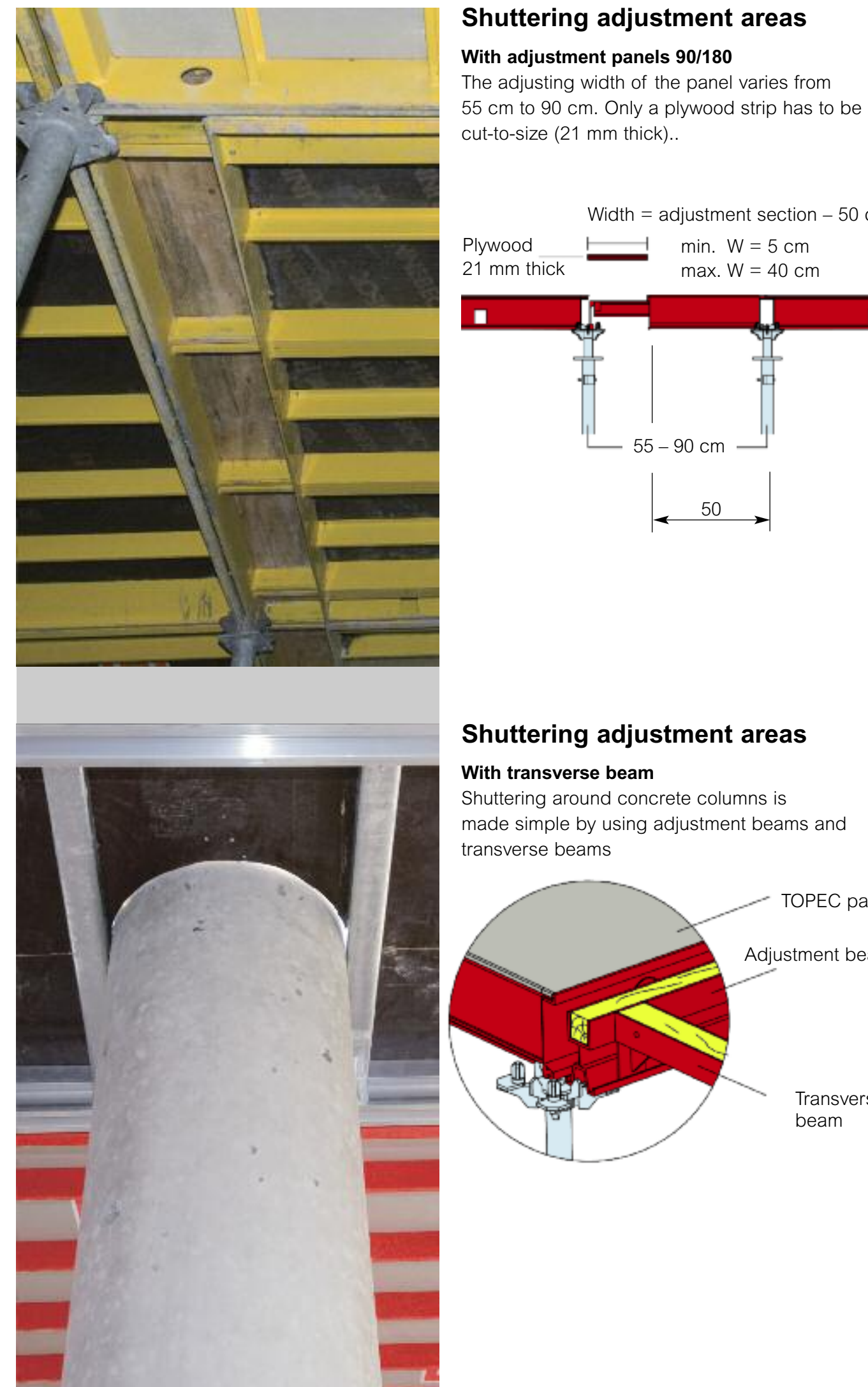


d [cm]	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5*	45.0*	47.5*	50*
H [m]	17.5	19.6	21.7	23.8	25.9	28.0	30.0	32.9	35.4	37.9	40.4	42.9	45.4	47.9	50.4
EUROPLUSnew 20-200	2.68	2.68	2.68	2.67	2.15	-	-	-	-	2.68	2.61	2.44	2.25	-	-
EUROPLUSnew 20-300	3.18	3.18	3.17	3.06	2.94	2.80	2.59	2.30	2.17	2.11	-	-	-	-	-
EUROPLUSnew 20-350	3.68	3.68	3.68	3.68	3.67	-	-	-	-	3.68	3.68	3.68	3.68	-	-
EUROPLUSnew 20-400	4.18	4.18	4.18	4.08	3.95	3.82	3.61	-	-	-	-	-	-	-	-
EUROPLUSnew 20-500	5.68	5.68	5.63	5.45	5.26	5.08	4.94	4.79	4.64	4.49	-	-	-	-	-
EUROPLUSnew 30-200	2.68	2.68	2.68	2.68	2.68	2.68	2.68	-	-	2.68	2.68	2.68	2.68	-	-
EUROPLUSnew 30-300	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.03	-	-	-	-	-	-	-
EUROPLUSnew 30-350	3.68	3.68	3.68	3.68	3.68	3.68	3.67	3.56	3.46	3.35	3.24	3.13	3.02	-	-
EUROPLUSnew 30-400	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	-	-
EUROPLUSnew 30-500	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	-	-



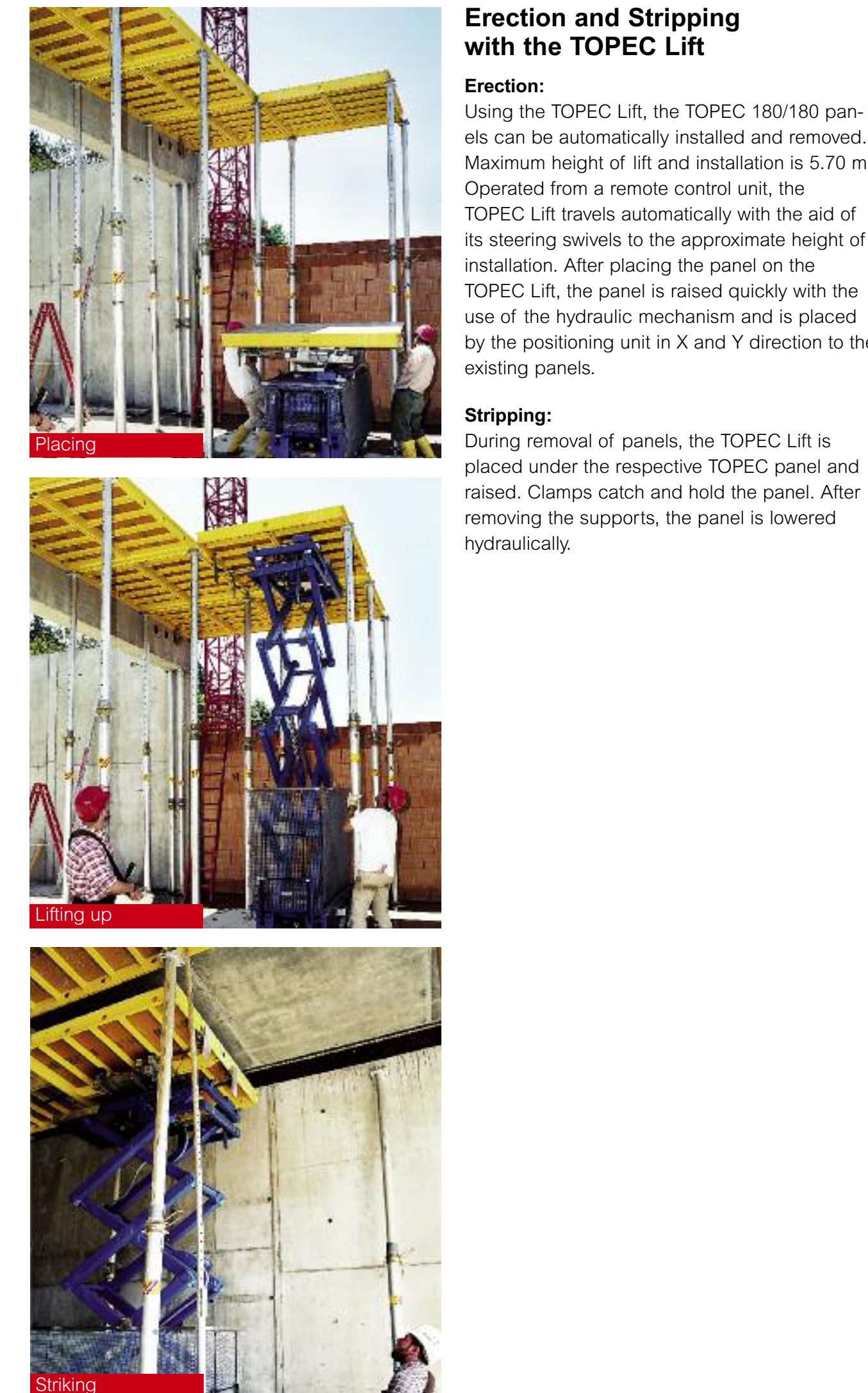
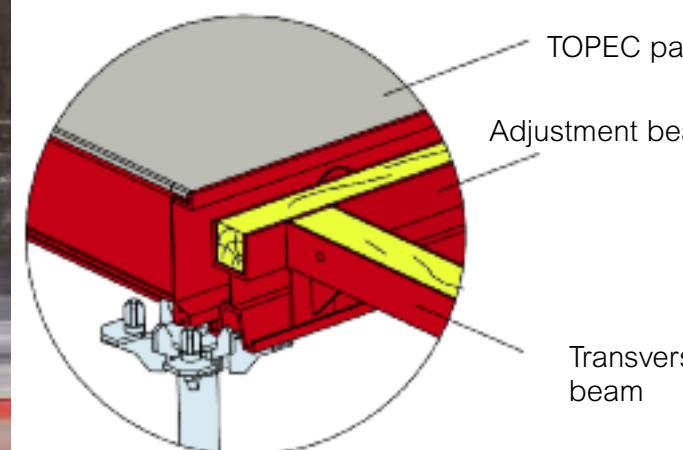
Description	Art.-No.	Weight ktpcs.	Description	Art.-No.	Weight ktpcs.
<b>Components</b>					
<b>Panels</b>					
Panel 180/180	554000	45.64	Adjustment beam 180	487890	7.20
Panel 180/90	548001	21.40	Adjustment beam 90	487890	3.60
Panel 180/75	548012	18.81	TOPEC transverse beam	492096	4.34
Panel 180/60	548023	16.40	Head support shoe	422588	0.62
Panel 180/45	548034	13.80	Bearing sleeve	496532	2.04
Panel 90/90	548090	11.92	TOPEC Railing head	600522	1.89
Panel 90/75	548088	10.41	TOPEC Panel bracing strap	600521	1.07
Panel 90/60	548104	8.99	Waler bolt D20	420000	0.32
Panel 90/45	548115	7.48	Steering roller 4	173778	0.01
Adjustment panel 90/180	552310	24.88	Bearing for railing	496220	3.40
Adjustment panel 90/90	600241	15.30	TOPEC railing shoe	588474	3.90
Corner panel 90/90	548180	15.30	486038	3.90	
Corner panel 180/180	548332	17.50	TK railing post	193220	4.50
Corner sheet 180/90	535321	11.10	Security for the board	496230	0.39
<b>Panels with ECOPLY Q</b>					
TOPEC Q panel 180x180	602667	52.10	Prop retainer	492983	0.13
TOPEC Q panel 180x90	602668	24.60	Retaining clip	477151	0.03
TOPEC Q panel 180x75	602669	21.30	Securing bolt	479415	0.08
TOPEC Q panel 180x60	602670	18.40	Set of fixing pieces	580272	0.65
TOPEC Q panel 180x45	602671	15.30	Bolt M 12x30x ALUZ	000510*	0.06
TOPEC Q panel 90x90	602672	13.40	T-Bolt	470804	0.15
TOPEC Q panel 90x75	602673	11.70	ALU-TOP adapter	599394	0.15
TOPEC Q panel 90x60	602674	10.00	AS sleeve	546514	2.76
TOPEC Q panel 90x45	602675	8.20	Line tripod stand	587377	11.82
TOPEC Q Adjustment panel 90x90	602676	26.40	Euro bracing clamp	078910	1.83
TOPEC Q Adjustment panel 90x75	602677	15.80	ALU erection rod365	565434	3.02
TOPEC Q Adjustment panel 90x60	602678	16.30	Root erection 180	070151	1.39
TOPEC Q Corner panel 90x180	602679	16.30	TOPEC stacking angle	075100	6.72
<b>Props</b>					
TOPEC bearing	465410	2.40	TOPEC-Lift	on inquiry	
Edge support N	487673	1.70			
EUROPLUSnew 20-250	601390	13.2			
EUROPLUSnew 30-250	601430	16.2			
EUROPLUSnew 20-300	601400	16.8			
EUROPLUSnew 30-300	601440	19.2			
EUROPLUSnew 20-350	601410	20.5			
EUROPLUSnew 30-350	601445	24.2			
EUROPLUSnew 20-400	601415	23.8			
EUROPLUSnew 30-400	601450	28.8			
EUROPLUSnew 20-550	601425	36.1			

For further information see also TOPEC "Instructions for erection and use".



### Shuttering adjustment areas

**With transverse beam**  
Shuttering around concrete columns is made simple by using adjustment beams and transverse beams



### Erection and Stripping with the TOPEC Lift

**Erection:** Using the TOPEC Lift, the TOPEC 180/180 panels can be automatically installed and removed. Maximum height of lift and installation is 5.70 m. Operated from a remote control unit, the TOPEC Lift travels automatically with the aid of its steering swivels to the approximate height of installation. After placing the panel on the TOPEC Lift, the panel is raised quickly with the use of the hydraulic mechanism and is placed by the positioning unit in X and Y direction to the existing panels.

**Stripping:** During removal of panels, the TOPEC Lift is placed under the respective TOPEC panel and raised. Clamps catch and hold the panel. After removing the supports, the panel is lowered hydraulically.

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