

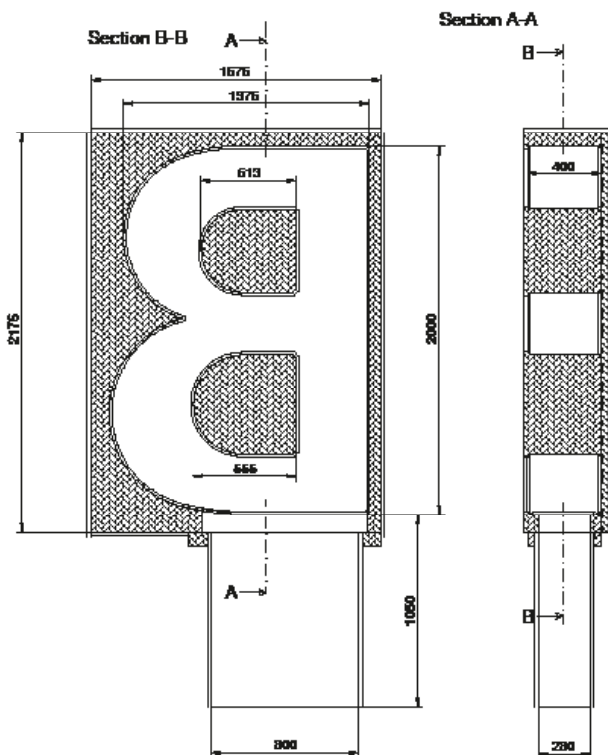


Fratec – the formwork that matches your creativity

Fratec gives you the ability to create and realise both variety and expression in formwork design. It enables architects and designers to put their creative ideas into practice. Using your dimensioned drawings our technical advisory will work with you in order to transform your vision into reality.

Our Fratec formwork can be quickly produced to your drawings.

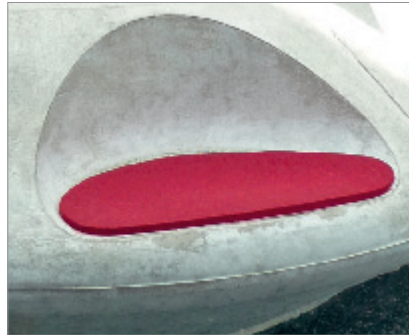
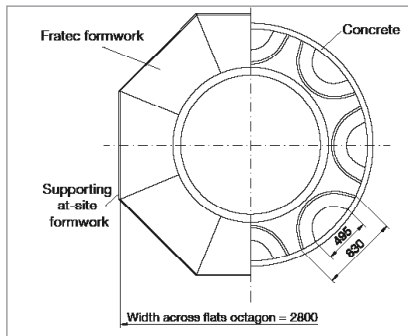
Since June 2009 the dimensional letters “Beuth Hochschule für Technik” have been a new feature decorating Luxemburg Street in Berlin. This work of art with an overall length of 43 metres was created using 176 metric tons of exposed concrete and is located at Campus hill in Berlin Mitte (Central Berlin). The letters were constructed using specially designed Fratec formwork.



Tubbox® and Fratec formwork is inspected before despatch and leaves our premises in perfect condition. Transport damages or any other defects have to be marked on the shipping documents upon receipt of the goods. Our guarantee only covers those defects which are marked on the shipping documents immediately upon receipt of the goods.

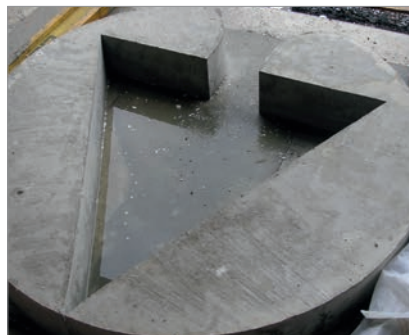
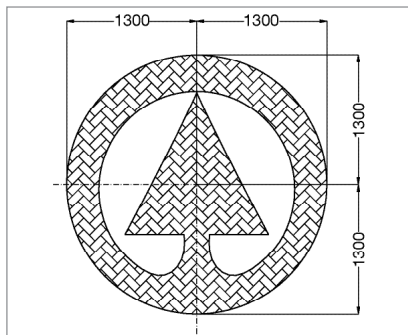
Frateg special designs

Formwork for all special designs



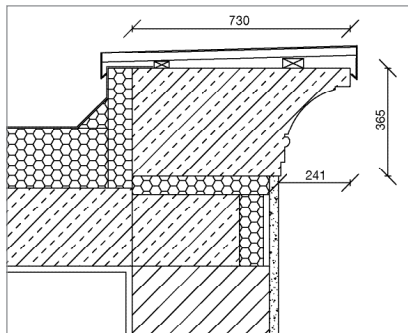
Frateg formwork for recesses

Special formwork elements with recesses for individual designs and signs



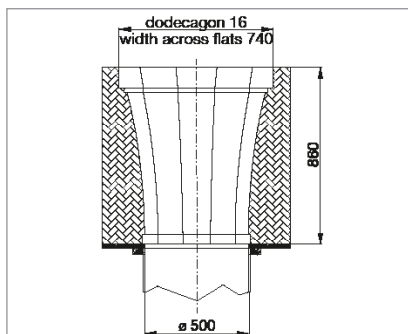
Frateg formwork for cornices

Cornices with special profiles, also in connection with capitals



Frateg formwork for column capitals and bases

Column capitals and bases in various round or polygonal shapes



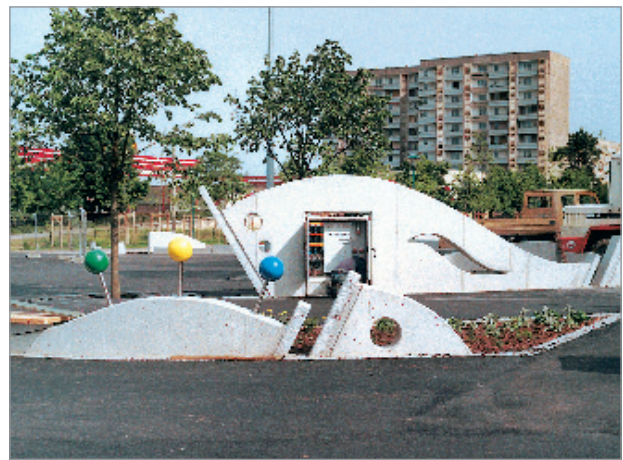
Frateg special designs

- Profiled forms inserted into structural formwork
- Unlimited design options for visual impact in architecture
- More choice in cantilevered structural building elements
- Texture of concrete surface



Frateg formwork for recesses

- Ready to use complete formwork
- Used in addition to the conventional formwork on site
- Free architectural design unrestricted by formwork limitations
- Quick and easy assembly of formwork
- Formwork systems conforming to the data sheet for Class SB2 exposed concrete



Frateg formwork for cornices

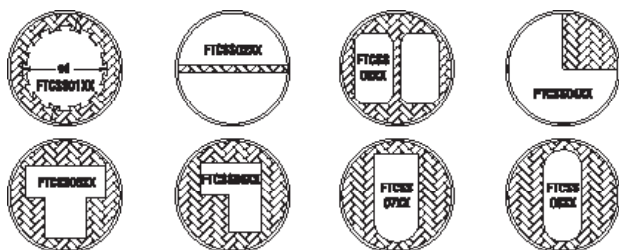
- Formwork with your desired design, ready for installation
- Identical shape for circular column, formwork and cornices
- Identical shape with various dimensions possible
- Can be supplied as semi-precast balcony formwork
- Slab and cornices are produced in one concrete pour
- Formwork systems conforming to the data sheet for Class SB3 exposed concrete

FRANK column formers allow for producing geometrical shapes with virtually no limits.

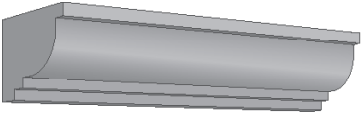
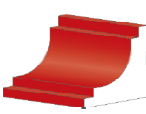
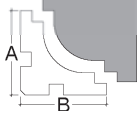
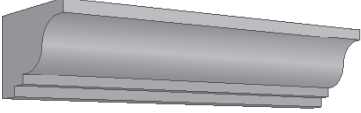
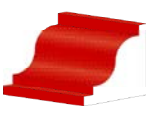
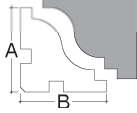
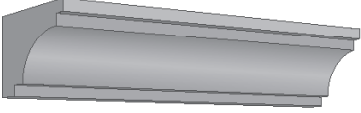
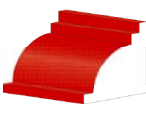
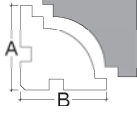
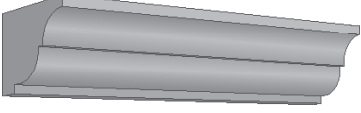
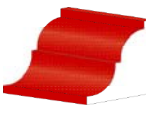
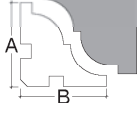
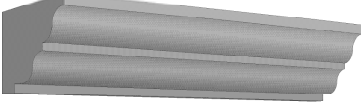
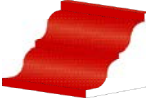

Column formwork for virtually any cross section, including conical shapes, can be produced to your drawings at short notice.

Please call us – we look forward to assisting you.

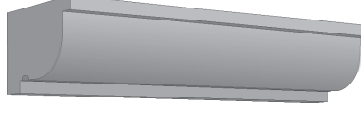
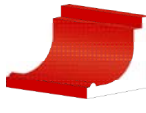
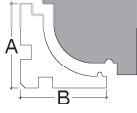
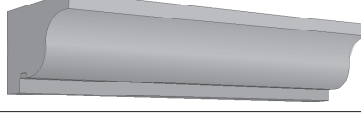
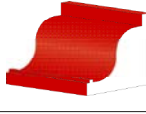
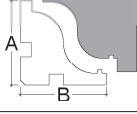

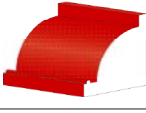
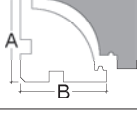
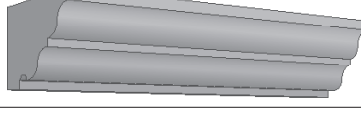
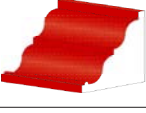
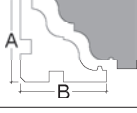
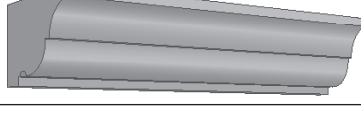
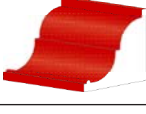
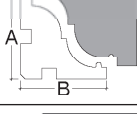

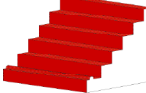

Prices and delivery times on request.



Frateg cornice formwork for internal applications (without weather drip)

			Art. no.	A x B mm	
			FTCGSO101	270 x 270	
			FTCGSO102	270 x 165	
			FTCGSO103	120 x 120	
			FTCGSO301	270 x 270	
			FTCGSO302	270 x 165	
			FTCGSO303	120 x 120	
			FTCGSO401	270 x 270	
			FTCGSO402	270 x 165	
			FTCGSO403	120 x 120	
			FTCGSO801	270 x 270	
			FTCGSO802	270 x 165	
			FTCGSO803	120 x 120	
			FTCGSO701	270 x 270	
			FTCGSO702	270 x 165	
			FTCGSO703	120 x 120	

Frateg cornice formwork for external applications (with weather drip)

			Art. no.	A x B mm	
			FTCGSM101	270 x 270	
			FTCGSM102	270 x 200	
			FTCGSM103	120 x 120	
			FTCGSM301	270 x 270	
			FTCGSM302	270 x 200	
			FTCGSM303	120 x 120	
			FTCGSM401	270 x 270	
			FTCGSM402	270 x 200	
			FTCGSM403	120 x 120	
			FTCGSM701	270 x 270	
			FTCGSM702	270 x 200	
			FTCGSM703	120 x 120	
			FTCGSM801	270 x 270	
			FTCGSM802	270 x 200	
			FTCGSM803	120 x 120	
			FTCGSM901	270 x 270	
			FTCGSM902	270 x 200	
			FTCGSM903	120 x 120	

Other designs are available on request.
Standard length 2.0 m
Surcharge for cut lengths.
Delivery time:
Cornice formwork 120 x 120 mm is
available immediately.
For any other sizes the delivery time is
5 working days.

Frateg

Formwork for cornices – prices for cut lengths

Art. no.	Designation	
FTCSCHZK	Cut length < 2.0 m	
FTCSCHZL	Cut length > 2.0 m	
FTCSCHZSG	Price per bevel cut (2 cuts necessary)	

Frateg formwork for column bases – Art. no. FTCSF

Shape	Diameter mm	Square	Hexagonal	Price €/pce. Octagonal	round, one-piece	round, two-piece
10	200					
10	250					
10	300					
10	350					
13	200					
13	250					
13	300					
13	350					
16	200					
16	250					
16	300					
16	350					
17	200					
17	250					
17	300					
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18	200					
18	250					
18	300					
18	350					
20	200					
20	250					
20	300					
20	350					

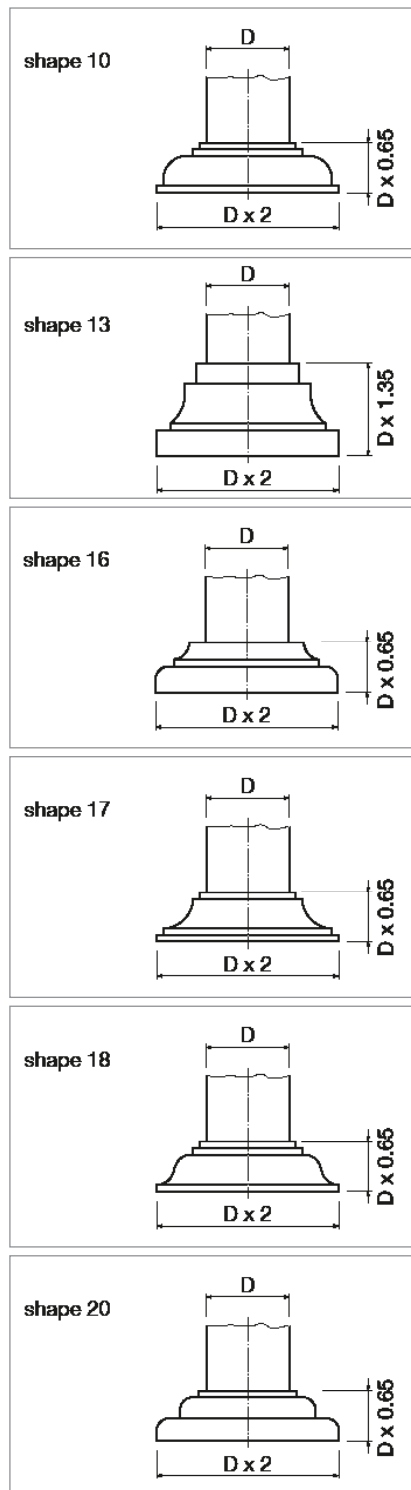
Frateg formwork for column capitals – Art. no FTCKP

Shape	Diameter mm	Square	Hexagonal	Price €/pce. Octagonal	round, one-piece	round, two-piece
10	200					
10	250					
10	300					
10	350					
13	200					
13	250					
13	300					
13	350					
16	200					
16	250					
16	300					
16	350					
17	200					
17	250					
17	300					
17	350					
18	200					
18	250					
18	300					
18	350					
20	200					
20	250					
20	300					
20	350					

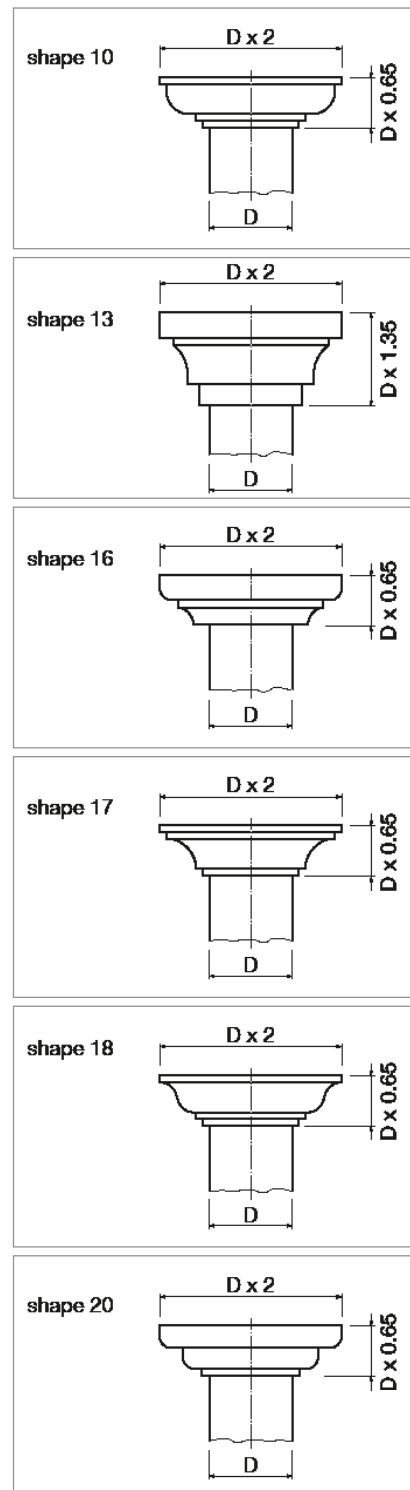
Varied special designs
Individual architectural design possible
Nearly any size can be supplied
Delivered ready for use

Only one concrete pour for all columns
Cost-effective design
Formwork systems conforming to the data sheet for
Class SB3 exposed concrete

Column bases



Column capitals



“Round” base / capital formwork versions can be supplied as single or two part components. The one piece component is for single use only and leaves no vertical joint mark.

After stripping, cleaning and application of concrete release agent using the cloth provided, the two-component version may be used twice – provided that it is handled with care on site.

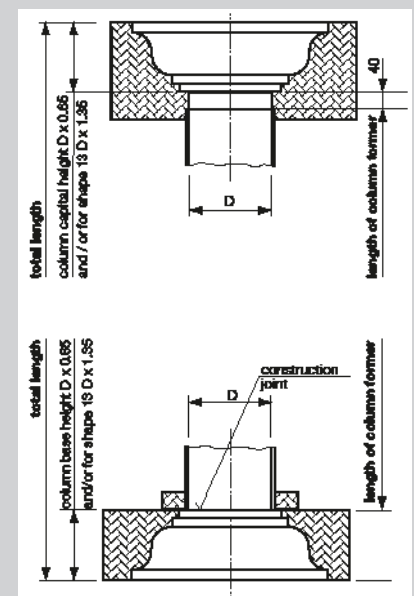
Delivery time is 5 working days
Other shapes and sizes can be supplied on request.

A construction joint is to be formed at the upper edge of the column base.

Column and capital are produced in one concrete pour. The surface finish types for “round” and “angled” base versions differ slightly from each other.

The surface finish produced with Tubbox® column former differs slightly from the surface finish obtained with Frateg column base or capital formwork.









Determination of column former length



Data required with the order

Pos.	Column base/ column capital	Shape	Design versions square, hexagonal, octagonal, round one-piece, round two-piece	Column Ø

Frateg formwork for "classic" columns, system "K"









		Art. no.	L _{max} mm	L _{min} mm	Weight kg/m	
		FTCSCQ120K	200 x 200	180 x 180	5.90	
		FTCSCQ125K	250 x 250	224 x 224	6.80	
		FTCSCQ130K	300 x 300	269 x 269	8.80	
		FTCSCQ135K	350 x 350	314 x 314	12.50	
		FTCSCR120K	Ø 200	Ø 180	13.50	
		FTCSCR125K	Ø 250	Ø 225	15.80	
		FTCSCR130K	Ø 300	Ø 270	17.80	
		FTCSCR135K	Ø 350	Ø 316	20.20	
		FTCSCR220K	Ø 200	Ø 182	13.50	
		FTCSCR225K	Ø 250	Ø 227	15.80	
		FTCSCR230K	Ø 300	Ø 273	17.80	
		FTCSCR235K	Ø 350	Ø 318	20.20	
		FTCSCR320K	Ø 200	Ø 176	13.50	
		FTCSCR325K	Ø 250	Ø 220	15.80	
		FTCSCR330K	Ø 300	Ø 265	17.80	
		FTCSCR335K	Ø 350	Ø 310	20.20	

Internal contour square or round, rectangular shape can be produced on request.

Formwork system for on site installation into conventional formwork elements.

The formwork insert can be supplied in two pieces on request. Delivery time: 5 working days.

Frateg formwork for "classic" columns, system "T"

		Art. no.	L _{max} mm	L _{min} mm	Weight kg/m	
		FTCSCQ120T	200 x 200	180 x 180	5.90	
		FTCSCQ125T	250 x 250	224 x 224	6.80	
		FTCSCQ130T	300 x 300	269 x 269	8.80	
		FTCSCQ135T	350 x 350	314 x 314	12.50	
		FTCSCR120T	Ø 200	Ø 180	13.50	
		FTCSCR125T	Ø 250	Ø 225	15.80	
		FTCSCR130T	Ø 300	Ø 270	17.80	
		FTCSCR135T	Ø 350	Ø 316	20.20	
		FTCSCR220T	Ø 200	Ø 182	13.50	
		FTCSCR225T	Ø 250	Ø 227	15.80	
		FTCSCR230T	Ø 300	Ø 273	17.80	
		FTCSCR235T	Ø 350	Ø 318	20.20	
		FTCSCR320T	Ø 200	Ø 176	13.50	
		FTCSCR325T	Ø 250	Ø 220	15.80	
		FTCSCR330T	Ø 300	Ø 265	17.80	
		FTCSCR335T	Ø 350	Ø 310	20.20	

Internal contour square or round, rectangular shape can be produced on request.

External contour round. Mounted ready for installation in Tubbox® column formers.

Other column diameters, special contours, sizes and profiles can be supplied on request.

All designs version "T" with rip cord.

Surcharge for shorter lengths:

10 % for lengths between 1.0 and 2.0 m,

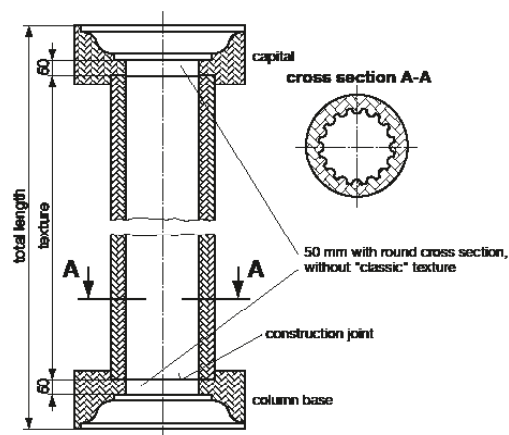
20 % for lengths < 1.0 m. Minimum length 0.4 m.

Over-size lengths: surcharge is 10 % for lengths exceeding 6.0 m.


When ordering "classic" columns, please always specify the total

length incl. capital and base.

Delivery time is 5 working days



Frateg dimensional letters of the relevant year

	Designation	Art. no.	Dimensions mm	Weight kg/pce.	Price €/pce.
	Year numbering for multiple use made of permanently flexible polyurethane according to recommended marking BMVBW "year 1"	FTCJAHR	255 x 455	1.1	



Frateg formwork for textured concrete columns "timber board"

"Timber board" relief replications

Art. no.	Diameter mm	Weight kg/m	
FTCSBRF25	250	3.4	
FTCSBRF30	300	4.2	
FTCSBRF35	350	4.6	
FTCSBRF40	400	5.8	
FTCSBRF45	450	6.2	
FTCSBRG50	500	7.8	
FTCSBRG55	550	10.7	
FTCSBRG60	600	11.0	
FTCSBRG65	650	12.8	
FTCSBRG70	700	13.5	
FTCSBRG80	800	18.0	

Other dimensions, shapes and textures on request.

All versions are supplied with rip cord. Max. length 6.0 m.

There is a 10 % surcharge for shorter lengths between 1.0 m and 2.0 m and for lengths < 1.0 m a 20 % surcharge is applied.

The minimum length is 0.4 m with 20 % upcharge.



Insitex® formliner

Insitex® – a possibility of designing individual concrete surfaces at low cost.

Textured concrete surfaces are not only possible for columns, but also for large expanses of concrete surfaces or other geometrical shapes.

With Insitex® formliners an almost unlimited number of patterns, textures of wooden surfaces, brick optics or logos can be produced on the concrete.

We shall be delighted to design individual surfaces to your wishes.

Our formliners are very easy to use. They are cut to size on site, butt-jointed and fixed to a flat formwork surface using tacks.

The thickness, which varies according to the different texture types available, must be taken into account during formwork assembly in order to ensure adequate concrete cover to the reinforcement.

The concrete must flow freely and must be compacted in order to avoid blowholes. The time for stripping is at the discretion of the user. However, it is recommended that with in-situ applications the formliner is removed after completion of the construction works.

In this way the formliner is properly protected against dirt and damage.



Price and delivery time on request.

Further designs on request.

Article no.: FTCSMINS