

PLAKA - RELTEC

Square and rectangular disposable column formwork

REF 04.12.01 - Version V01 - 12/08/2020



Description

RELTEC is a disposable formwork, designed to realize square or rectangular columns that are either free standing or which are situated against an existing structure. RELTEC is a combination of elements made out of high density expanded polystyrene that are covered on the inside with plasticized wooden panels. The corners are chamfered (non-chamfered corners are available on request). The assembled units are fixed together by mean of a reinforced tape, wrapped around the formwork on its whole length.

Application fields

- Realization of free standing columns (square or rectangular)
- Realization of columns placed against an existing structure (type « party wall »)

Properties

Materials	
Inside	Plasticized wooden panel
Exterior	Tape reinforced with fiberglass
Filling	High density expanded polystyrene

Technical properties	
Water resistance	Good water resistance. Stored upright in a dry place, away from sun and rain, guarantees columns which are perfectly straight.
Formwork removal	Very fast stripping with a simple incision in the joint.
Maximum pressure and concreting rate	According to DIN 18 218

External diameter of the formwork tube in function of the dimensions of the rectangular column

Section	200	250	300	350	400	450	500	550	600
200	300	341	398	432	478	536	582	630	680
250	341	374	414	456	510	554	600	650	696
300	398	414	458	494	534	578	620	670	712
350	432	456	494	514	564	604	646	690	812
400	478	510	534	564	586	634	674	716	770
450	536	554	578	604	634	666	704	745	785
500	582	600	620	646	674	704	736	784	810
550	630	650	670	690	716	745	784	810	844
600	680	696	712	812	770	785	800	844	878

External formwork diameter (mm)	Recommended maximal concrete rate (m/h)
250 to 350	6
400	6
450	6
500 to 800	3
850 to 1000	2

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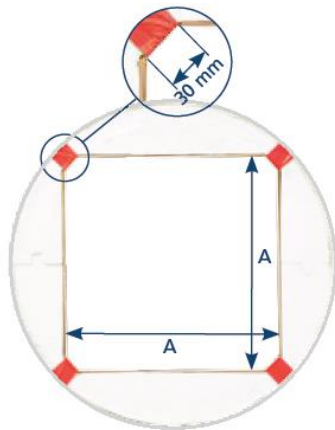
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Dimensions

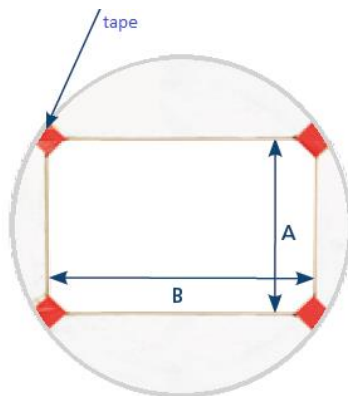
Square column – Dimensions of standard columns



Code	A/A [cm]	External diameter [mm]	Weight [Kg/m]
TUBC2020	20 / 20	300	3,10
TUBC2525	25 / 25	374	3,93
TUBC3030	30 / 30	458	4,66
TUBC3535	35 / 35	514	6,00
TUBC4040	40 / 40	586	7,00
TUBC4545	45 / 45	666	8,66
TUBC5050	50 / 50	736	10,00
TUBC6060	60 / 60	878	12,98

Standard length in 3 or 4m in stock

Rectangular column– Dimensions of standard columns



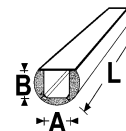
Code	A/B [cm]	External diameter [mm]	Weight [Kg/m]
TUBC2025	20 / 25	341	3,80
TUBC2030	20 / 30	398	4,60
TUBC2035	20 / 35	432	5,20
TUBC2040	20 / 40	478	5,35
TUBC2530	25 / 30	414	4,70
TUBC2540	25 / 40	510	5,67
TUBC3035	30 / 35	494	5,66
TUBC3040	30 / 40	534	6,72

Standard length in 3 or 4m in stock

Square or rectangular column type « party wall »



Code	A/B [cm]
TUBMIT	A / B



It is very important to indicate the correct dimension of the party side 'A'.

Head and foot clamps are available for standard square and rectangular columns.

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