



# G E O T U B P A N E L



The first modular plastic formwork



**casseforme**  
formwork

[www.geoplast.it](http://www.geoplast.it)



## GEOTUB® PANEL ADVANTAGES

### REUSABLE

**GEOTUB® PANEL** is cost-competitive as it can be reused. As concrete does not stick to plastic, cleaning of the formworks is done using just some water: the use of detergents and releasing agents is not necessary.

**REUSABLE**

### INSTALLATION AND REMOVAL

Erecting and dismantling are easy and fast operations thanks to the special handles that lock with a simple 90 degree turn.

### MODULAR

**GEOTUB® PANEL** is a modular element of 75 cm (30") height: it does not need to be cut to length as only the amount of panels required for the pour is used.

### STORAGE

**GEOTUB® PANEL** can be completely disassembled and does not need to be stored in a dry environment.

### HANDLING ON SITE

Thanks to their small size and weight, the panels can be easily handled in the construction site, and can be swiftly assembled where required.

### RESULTS

The surface of columns poured with **GEOTUB® PANEL** can be left in sight without any further rework.

### SETTING-UP

The single elements are joined using high-strength nylon handles. The set-up operation is very quick as the fast-lock nylon handles firmly join the forms with a simple 90 degree turn.





## GEOTUB® PANEL COMPARISON



### THE INTELLIGENT ALTERNATIVE TO TRADITIONAL SYSTEMS

FEATURES	TRADITIONAL SYSTEMS	GEOTUB® PANEL
<b>Bulk</b>		Modular, with a standard length of 75 cm
<b>Impermeability</b>	10%	100%
<b>Storage</b>	Must be stored in a dry environment	Does not require any special storage conditions
<b>Resistance</b>	<b>Uncertain</b>	<b>60 kN/m<sup>2</sup> - 8.53 psi</b>
<b>Adherence of concrete</b>	Releasing agents are necessary	GEOTUB® PANEL is a plastic formwork, concrete does not stick to it
<b>Protection</b>		The best protection of the pillars until the end of the job
<b>Plumbing</b>	Time consuming and not always precise	Fast and precise plumb, the external structure allows easy anchorage
<b>Releasing agents</b>	Necessary	Not required



# GEOTUB® PANEL DIFFERENT COMBINATIONS

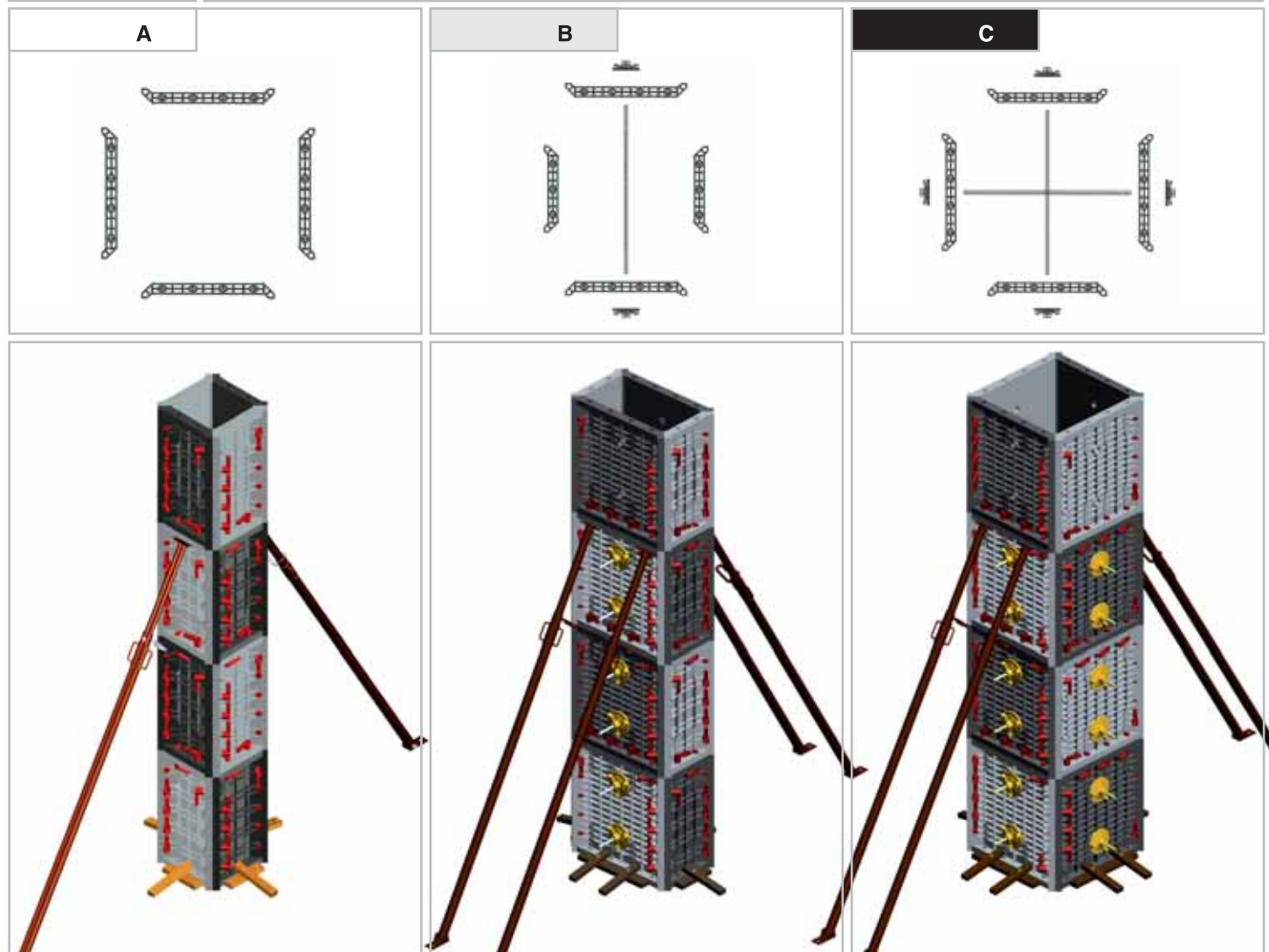
## VERSATILE AND MODULAR GEOTUB® PANEL

DIMENSION	20 (8'')	23 (9'')	25 (10'')	30 (12'')	35 (14'')	40 (16'')	45 (18'')	50 (20'')	55 (22'')	60 (24'')
20	20x20	20x23	20x25	20x30	20x35	20x40	20x45	20x50	20x55	20x60
23		23x23	23x25	23x30	23x35	23x40	23x45	23x50	23x55	23x60
25			25x25	25x30	25x35	25x40	25x45	25x50	25x55	25x60
30				30x30	30x35	30x40	30x45	30x50	30x55	30x60
35					35x35	35x40	35x45	35x50	35x55	35x60
40						40x40	40x45	40x50	40x55	40x60
45							45x45	45x50	45x55	45x60
50								50x50	50x55	50x60
55									55x55	55x60
60										60x60



Imperial sizes are nominal with an approximation of  $\pm 1.6\%$

A	H 3 meters (10 ft) = 16 GEOTUB® PANEL (8+8 and handles)
B	H 3 meters (10 ft) = 16 GEOTUB® PANEL (8+8 and handles + 6 tie-rods (1m) + 12 washers + 12 spacers + 16 caps)
C	H 3 meters (10 ft) = 16 GEOTUB® PANEL (8+8 and handles + 12 tie-rods (1m) + 24 washers + 24 spacers + 32 caps)





## ACCESSORIES CASE B and C



### SPACER

15 - 20 - 25 - 30 - 35 - 40 cm  
MATERIAL: HD PE  
WEIGHT: 0.08 kg - 0.176 lbs.



### CAP for spacing bar

MATERIAL: HD PE  
WEIGHT: 0.008 kg - 0.18 lbs.



### TIE-ROD $\varnothing$ 17 mm - 6.7"

MATERIAL: Steel  
WEIGHT: 1 kg - 2.2 lbs.



### WASHER for tie-rod

MATERIAL: Nylon + Steel  
WEIGHT: 0.4 kg - 0.9 lbs.



## SETUP

Erection is very quick as the fast-lock nylon handles firmly join the forms with a simple 90-degree turn.



## PLUMB

To plumb **GEOTUB® PANEL** simply lean steel props on the formwork ribbing, or use the steel double joint and standard handles.



### GEOTUB® PANEL

The system is very light, practical and can be handled by a single person.



# GEOTUB® PANEL TECHNICAL PROPERTIES

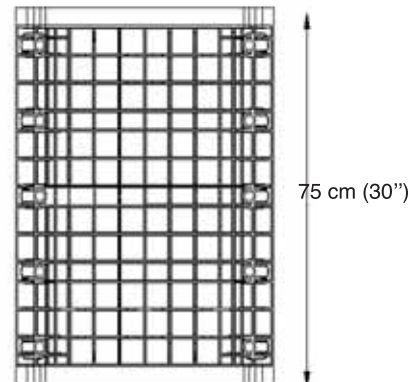
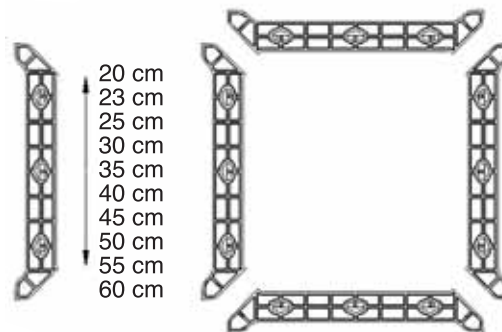
## GEOTUB® PANEL TECHNICAL DATASHEET

MATERIAL	ABS
CHAMFER	1 cm at 45 deg.
DIMENSIONS, PER PANEL	
GEOTUB® PANEL 20	20 cm x H 75 cm (8" x 30")
GEOTUB® PANEL 23	23 cm x H 75 cm (9" x 30")
GEOTUB® PANEL 25	25 cm x H 75 cm (10" x 30")
GEOTUB® PANEL 30	30 cm x H 75 cm (12" x 30")
GEOTUB® PANEL 35	35 cm x H 75 cm (14" x 30")
GEOTUB® PANEL 40	40 cm x H 75 cm (16" x 30")
GEOTUB® PANEL 45	45 cm x H 75 cm (18" x 30")
GEOTUB® PANEL 50	50 cm x H 75 cm (20" x 30")
GEOTUB® PANEL 55	55 cm x H 75 cm (22" x 30")
GEOTUB® PANEL 60	60 cm x H 75 cm (24" x 30")



MATERIAL		Flexural modulus N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Coefficient of thermal expansion
Acrilon Butadiene Styrene	ABS	2100	45	0.05 (mm/m/°C)
Nylon		2200	70	7 - 10 (1/K 10 <sup>-5</sup> )

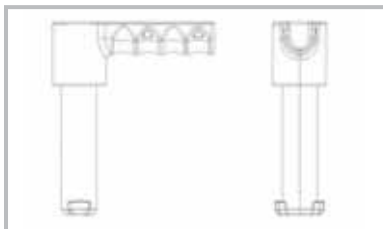
**MAXIMUM COLUMN HEIGHT = 3 m (10 ft.)**



## NO. OF HANDLES PER GEOTUB® PANEL ELEMENT

GEOTUB® PANEL	20	23	25	30	35	40	45	50	55	60
No. HANDLES	6	7	7	7	8	8	8	9	9	9

**Example:** a 3 meter high **GEOTUB®** PANEL 40X40 column requires 16 **GEOTUB®** PANEL elements and 128 handles. The erection time is 10 minutes, propping excluded.



HANDLE MATERIAL

UV-STABLE NYLON

Disclaimer: the values shown in this brochure are for guidance only. They are not meant to be used for design criteria.

Their use and reliance thereon for any purpose by anyone is entirely voluntary and at the sole risk of the user. GEOPLAST is not responsible for any loss, claim, or damage resulting from their use.

**ASSEMBLY HANDBOOK AND TECHNICAL SPECIFICATIONS**

Available in our website [www.geoplast.it](http://www.geoplast.it) in the "Area download" section.



## GEOTUB® PANEL





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