

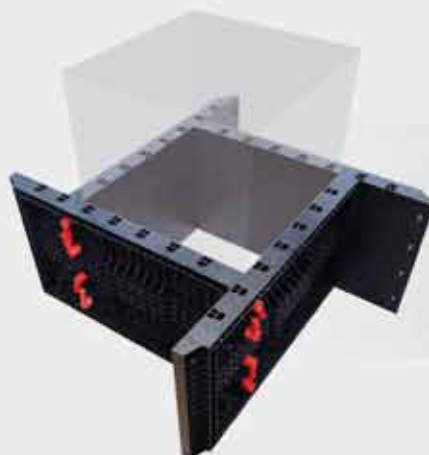


NEW

GEOPANEL S T A R



Reusable modular formwork for columns



casseforme
formwork

GEOPANEL STAR® - ADVANTAGES

SYSTEM FOR COLUMNS 20 to 100 cm

GEOPANEL® STAR is a reusable formwork made of high-strength ABS to form reinforced concrete square and rectangular columns. The Panels are joined with the standard Geoplast fast-lock nylon handles in order to form a “star”-shaped intersection. **GEOPANEL® STAR** is an extremely light formwork system, fast and easy to assemble, for square and rectangular columns with side from 20 to 100 cm, pile caps and walls of various sizes.

INSTALLATION AND DISMANTLING

Installation and dismantling are simple and fast thanks to the extremely light weight of this formwork so that it can be easily moved around in the job-site. The panels are easily joined using nylon handles that lock with a simple 90° turn.

MODULARITY

GEOPANEL® STAR is a series of 3 modular panels of 60 cm high. Panels have holes to modulate the sides of columns.

STORAGE

GEOPANEL® STAR, made of ABS (a high impact resistant polymer) can be easily dismantled and can be stored even in humid places and outdoor.

HANDLING ON SITE

The system is easily handled on-site without using a crane and in any site condition.

RESULT

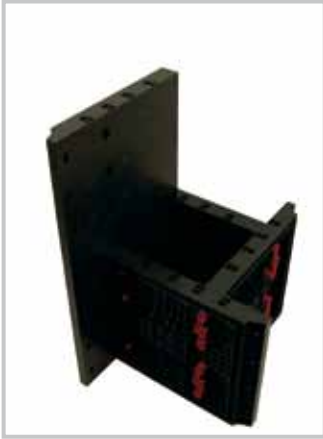
The surface of reinforced concrete formed with **GEOPANEL® STAR** doesn't need any further rework.

REUSABLE

GEOPANEL® STAR is reusable. Concrete doesn't stick to plastic, thus the forms are easily cleaned with water, avoiding any detergents or lubricants.

105
COMBINATIONS

GEOPANEL STAR® - COMPARISON



THE INTELLIGENT ALTERNATIVE TO TRADITIONAL SYSTEMS

CHARACTERISTICS	TIMBER FORMWORK	METAL FORMWORKS	GEOPANEL® STAR
MODULARITY	Non-modular	Modular	Modular and compatible with the Geopanel System
WEIGHT	Fairly light	Heavy	Light
PLUMBING	Long, sometimes the plumbing, sometimes the result is not perfect	Fast, requires specific props	Fast, does not require specific props
CONCRETE FINISH	Irregular surface	Smooth surface	Smooth surface
STORAGE	Must be stored in a dry environment	Must be stored in a dry environment	No special storage conditions required
NUMBER OF USES	Low	High	High
ADHERENCE TO CONCRETE	YES (releasing agents are necessary)	YES (releasing agents are necessary)	NO adherence because concrete does not stick to plastic!



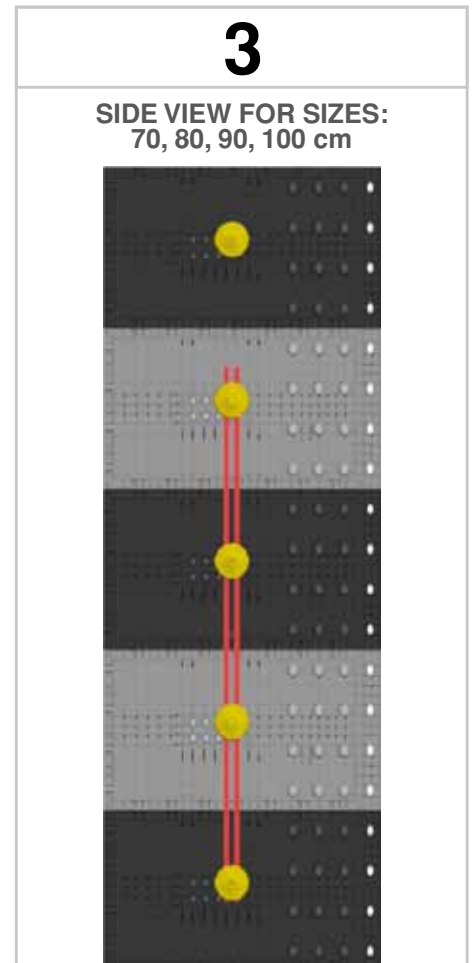
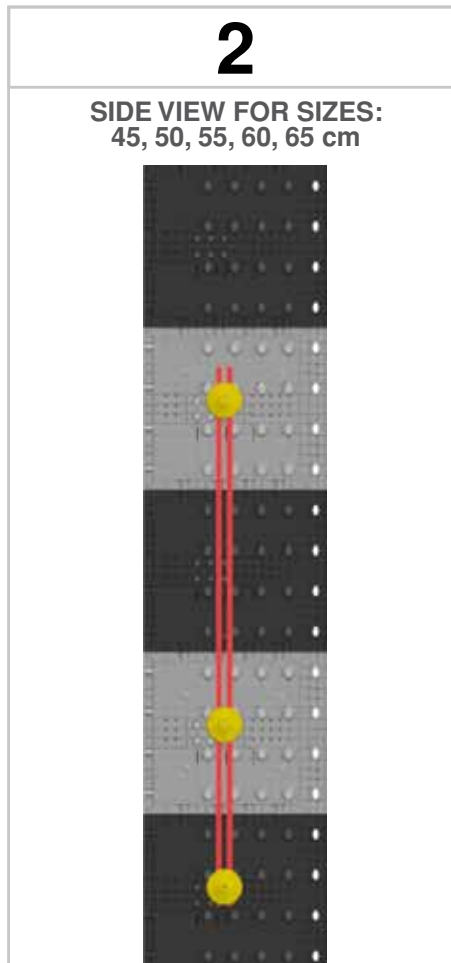
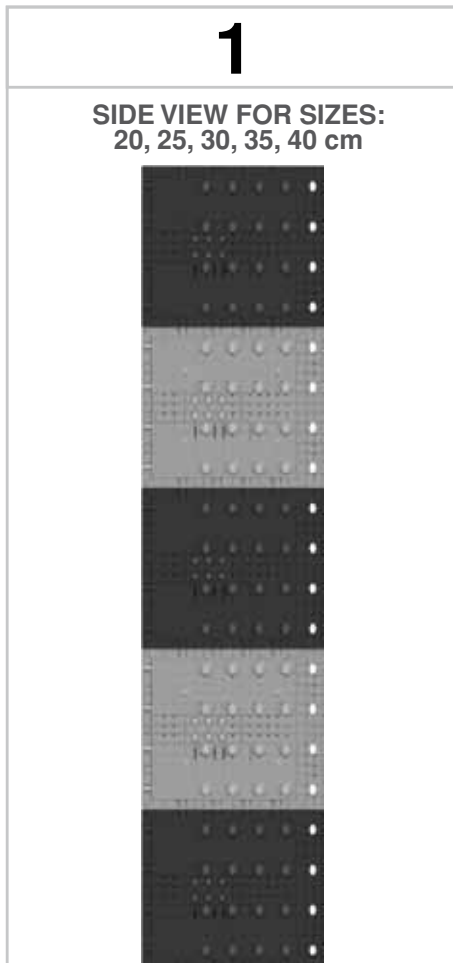
GEOPANEL STAR® - APPLICATIONS

DIMENSIONS AND COMBINATIONS	STAR 20 - 60	STAR 25 - 65	STAR 70 - 100
STAR 20 - 60	A - B - D	A - B - D	C - E
STAR 25 - 65		A - B - D	C - E
STAR 70 - 100			F

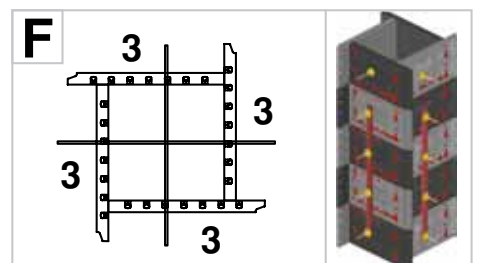
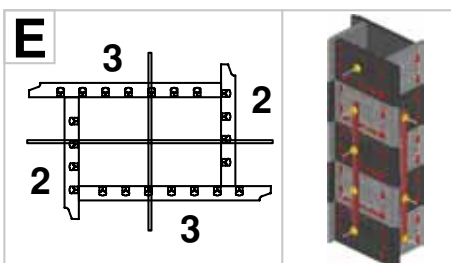
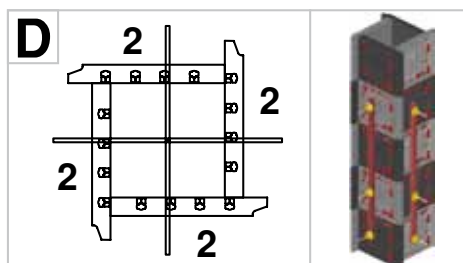
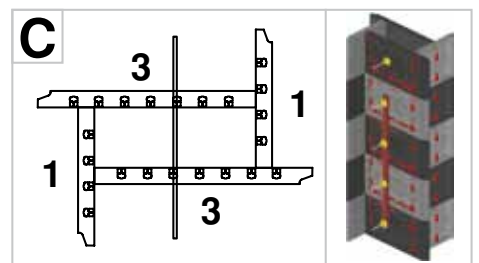
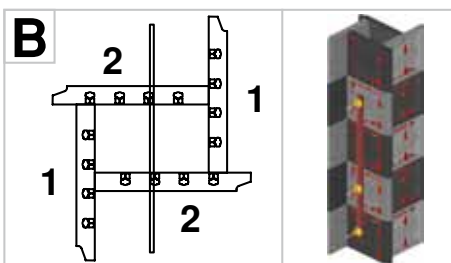
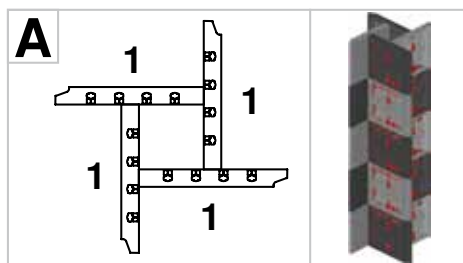
GEOPANEL® STAR allows the user to modulate the the forming box within a size range from 20 to 100 cm.

The size step is 5 cm for sides from 20 to 70 cm, and 10 cm for sides from 70 to 100 cm.

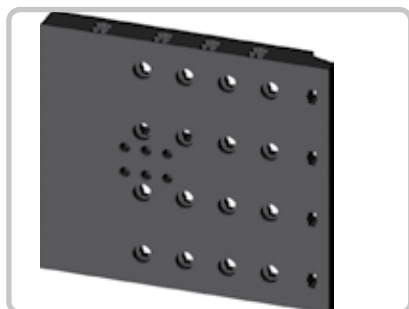
SIDE VIEWS



COMBINATIONS

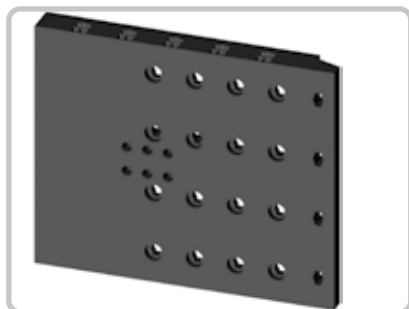


GEOPANEL STAR® - TECHNICAL FEATURES



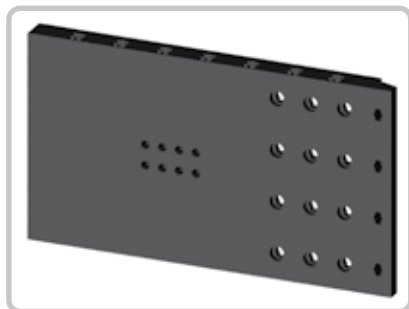
GEOPANEL® STAR 20 - 30 - 40 - 50 - 60

DIMENSIONS	68 H60 cm
WEIGHT PER PIECE	6.40 kg
N° OF HANDLES PER PANEL	8
MATERIAL	ABS



GEOPANEL® STAR 25 - 35 - 45 - 55 - 65

DIMENSIONS	73 H60 cm
WEIGHT PER PIECE	6.80 kg
N° OF HANDLES PER PANEL	9
MATERIAL	ABS



GEOPANEL® STAR 70 - 80 - 90 -100

DIMENSIONS	108 H60 cm
WEIGHT PER PIECE	9.60 kg
N° OF HANDLES PER PANEL	11
MATERIAL	ABS

GEOPANEL® STAR: MATERIAL	
Acrilonitrile Butadiene Stirene	ABS
MECHANICAL AND PHYSICAL FEATURES	
Flexural modulus of elasticity	2100 N/mm ²
Tensile strength	45 N/mm ²
Coefficient of thermal expansion	0.05 mm/m/°C



HANDLE: MATERIAL	
Polyamide (Nylon®)	PA
MECHANICAL AND PHYSICAL FEATURES	
Flexural modulus of elasticity	2200 N/mm ²
Tensile strength	70 N/mm ²
Coefficient of thermal expansion	7-10 (1/k 10 ⁻⁵)



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.

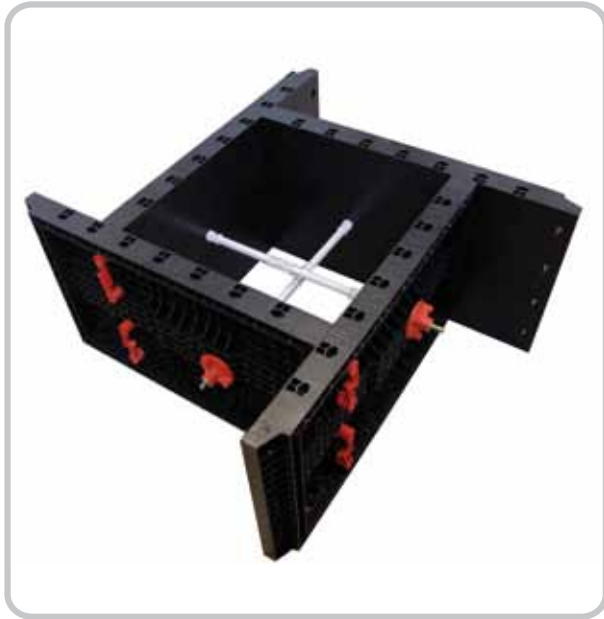
CUSTOMER SERVICE: PROJECT DEVELOPMENT

Send your projects in DWG format to: ufficiotecnico@geoplast.it

ASSEMBLY HANDBOOK AND SPECIFICATIONS:

Available in our website www.geoplast.it in the "Download Area"

GEOPANEL STAR® - ELEMENTS



Tie Rods



Spacer



Washer



Handle



Chamfer fillet

Formwork stabilizer joint



F-UN2000 Alignment bar



INTEGRATION WITH GEOPANEL® SYSTEM

The **GEOPANEL® STAR** panels are compatible with the **GEOPANEL®** range. This characteristic makes the system extremely flexible increasing the range of possible combinations, thus solving most job-site forming tasks.

In case special configurations are required which are not included in the product handbooks, the Geoplast Technical Department is always available to study an ad-hoc solution.







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