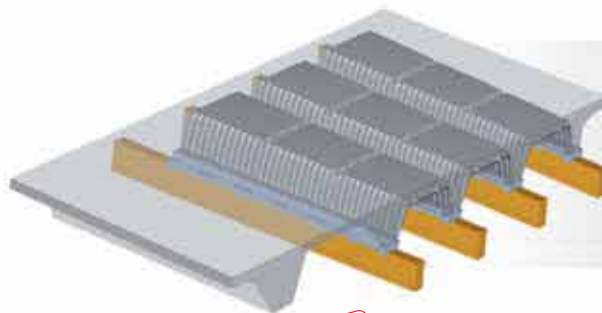




SKYRAIL®



A formwork system developed for one-way ribbed slabs for residential or industrial buildings



casseforme
formwork

Supplied by



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SKYRAIL ADVANTAGES

SAVINGS

- Thanks to the radical reduction of consumables, the system is amortised after a just few pours.

SAFETY

- SKYRAIL is a completely self-supporting system that does not need any special safety features. It can be erected from below, maximising safety on the job site.

TECHNOLOGY

- SKYRAIL allows to pour lighter slabs without having to incorporate any filler materials between the ribbing, thus giving the greatest structural efficiency.

DISMANTLING

- As concrete does not stick to plastic cleansing of the formwork is done using just some water: the use of detergents and releasing agents is not necessary.

REUSABLE

- Thanks to its robustness SKYRAIL can be used for up to 100 pours.

HANDLING

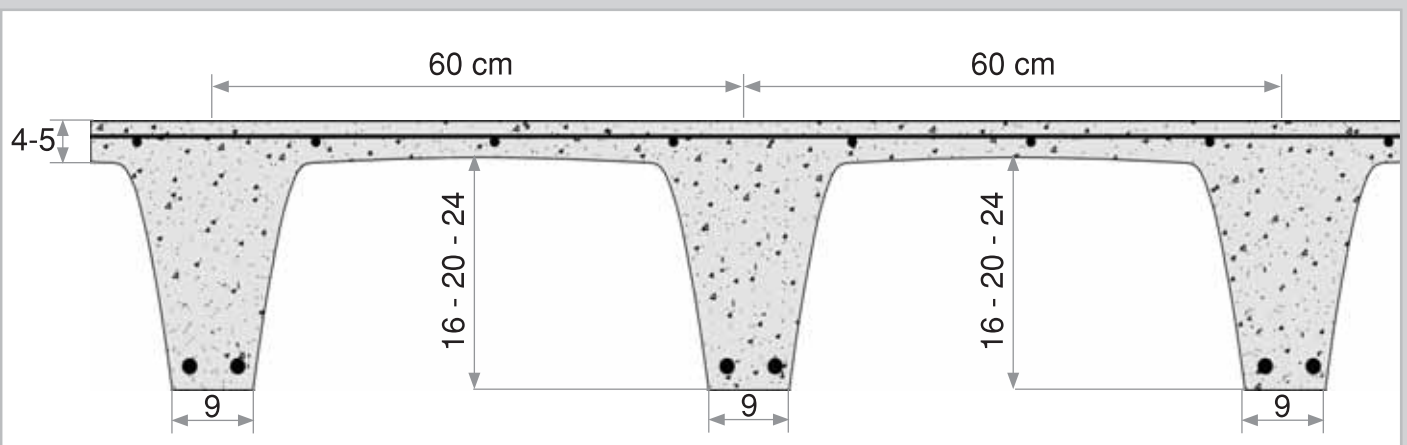
- The system is extremely light, it can be quickly disassembled and easily handled on site without requiring a crane. SKYRAIL can be compactly stored in limited space and does not suffer moisture.

FLEXIBILITY OF USE

- The hollow created by SKYRAIL can be used for the passage of cables, wires, sanitary fittings, and for the installation of lights and air conditioning systems.

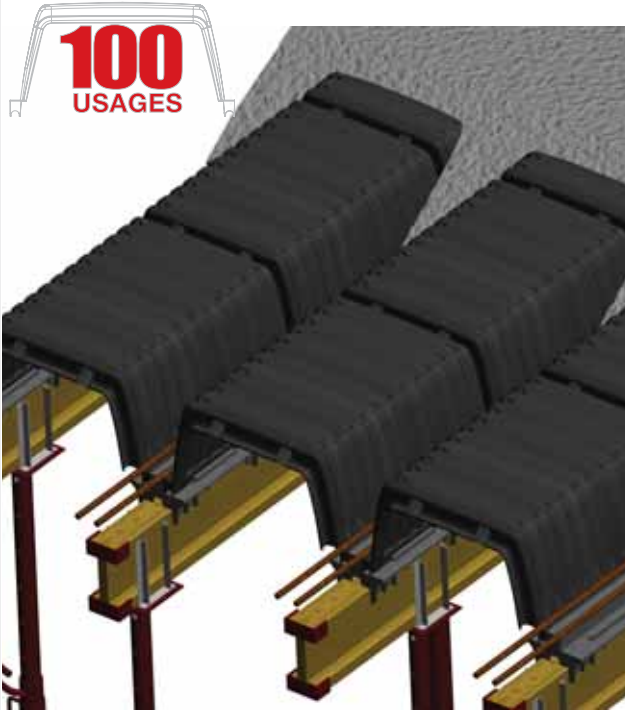
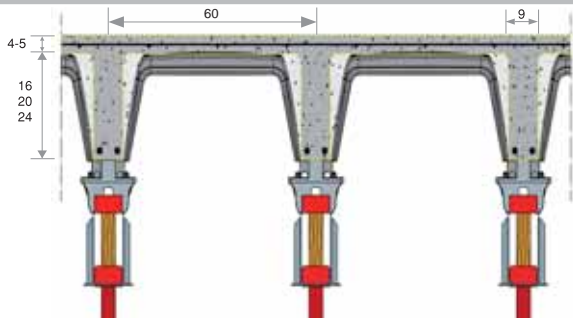
RESULTS

- Slabs made with SKYRAIL can be left in sight or plastered with standard paneling.

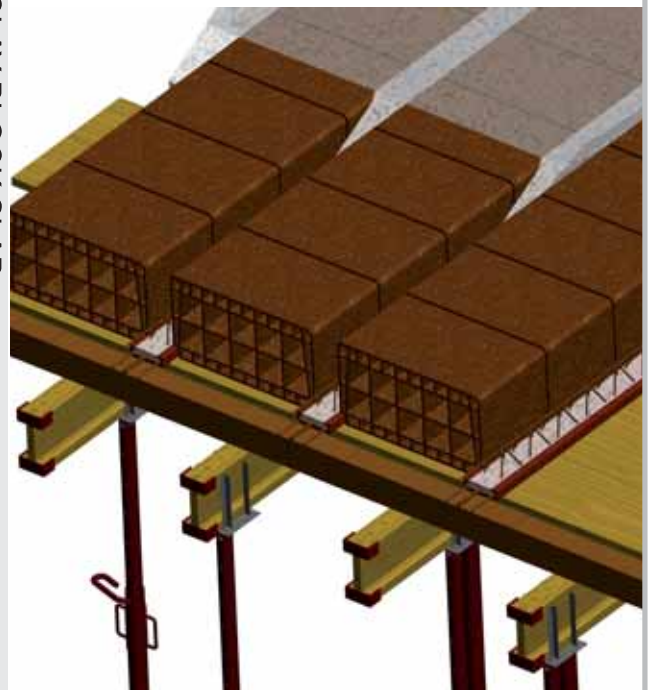
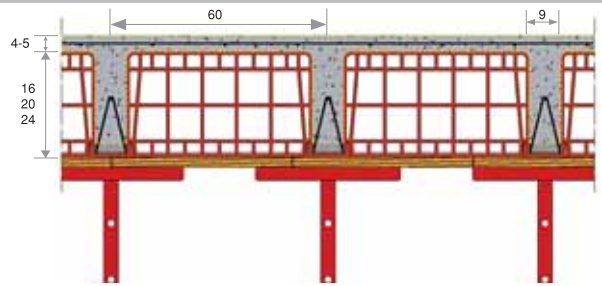


SKYRAIL COMPARISON

SKYRAIL



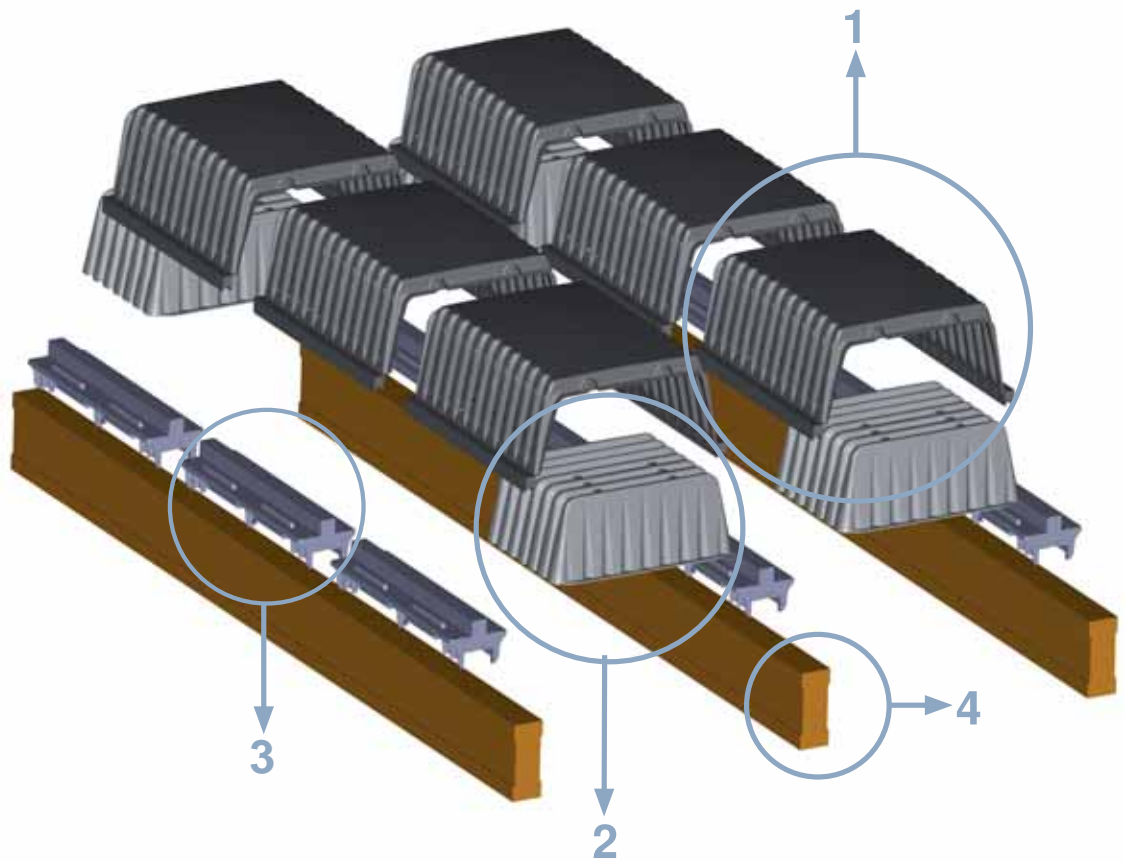
TRADITIONAL HOLLOW CLAY BLOCK SLAB



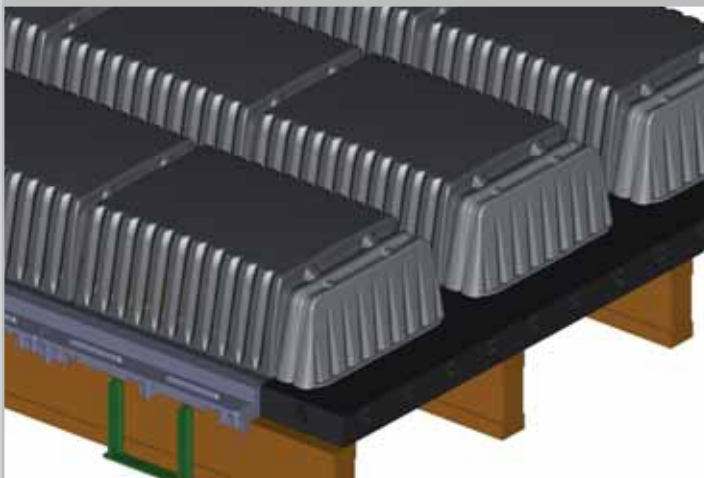
CHARACTERISTICS	SKYRAIL	HOLLOW CLAY BLOCK
SAFETY	The system is fully self-supporting	Requires a slab form underneath and other applicable safety features
SAVINGS	The system is completely amortised after just a few pours	The filler material is a consumable incorporated in the pour
USAGES	100 POURS	ONLY ONE USE
LOAD BEARING	Eliminating the weight of incorporated filler materials the slab increases its load bearing capacity	The dead weight of the filler material decreases the load bearing capacity of the slab
ERECTION	The lightness of the system makes it easy and fast to erect	The weight and fragility of the filler material make it slow to install
STORAGE	Can be stored compactly in limited space and does not suffer moisture.	Needs a large storage area
SERVICES	The installation of services, sanitary fittings, cables and so on becomes very easy	The poured slab needs extra preparation for the installation of services

SKYRAIL ITEMS

SKYRAIL



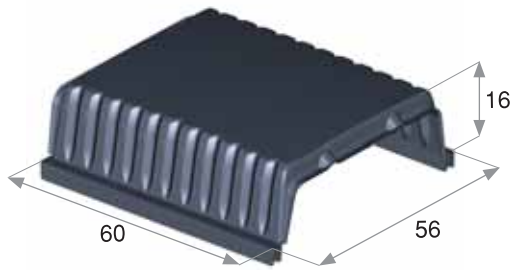
Compensation with SKYBLOCK and GEOPANEL® or wooden planks



SKYRAIL ITEM CHARACTERISTICS

1

SKYRAIL H16 . L 60 cm
MATERIAL: ABS WEIGHT: 2.50 Kg



2

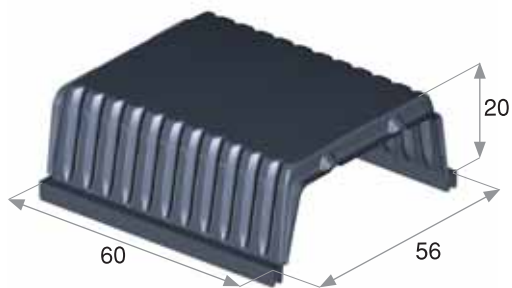
SKYBLOCK H16 . L 37 cm
MATERIAL: ABS WEIGHT: 1.10 Kg

Compensation element



1

SKYRAIL H20 . L 60 cm
MATERIAL: ABS WEIGHT: 2.70 Kg



2

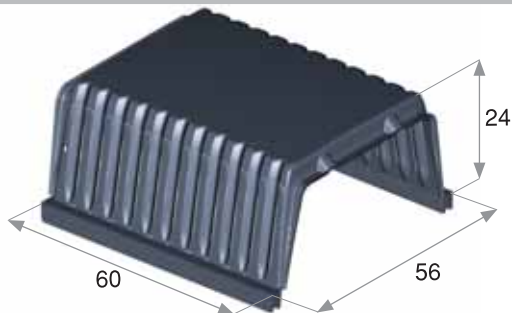
SKYBLOCK H20 . L 37 cm
MATERIAL: ABS WEIGHT: 1.30 Kg

Compensation element



1

SKYRAIL H24 . L 60 cm
MATERIAL: ABS WEIGHT: 3.00 Kg



2

SKYBLOCK H24 . L 37 cm
MATERIAL: ABS WEIGHT: 1.50 Kg

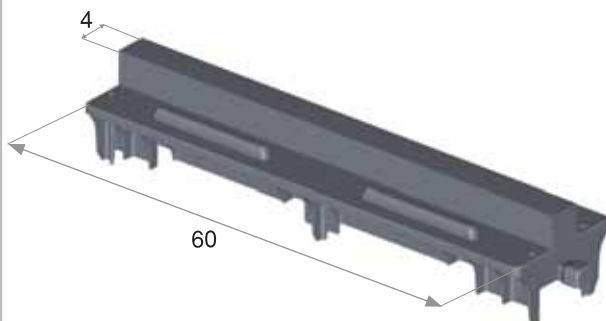
Compensation element



3

T-BEAM . L 60 cm
MATERIAL: ABS WEIGHT: 1.70 Kg

Placed on H20 beams ensures the precise and safe installation of SKYRAIL



4

H20 BEAM
with end reinforcement
MATERIAL: wood



FORKHEAD
MATERIAL: steel



PROP
high load bearing capacity
MATERIAL: steel

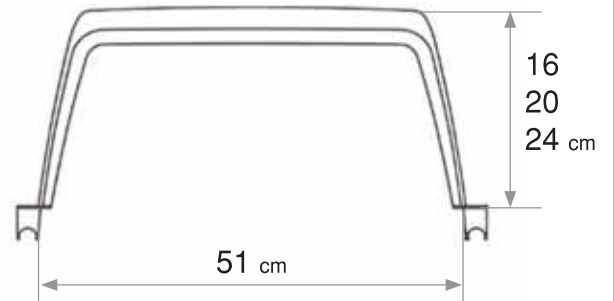


SKYRAIL TECHNICAL CHARACTERISTICS

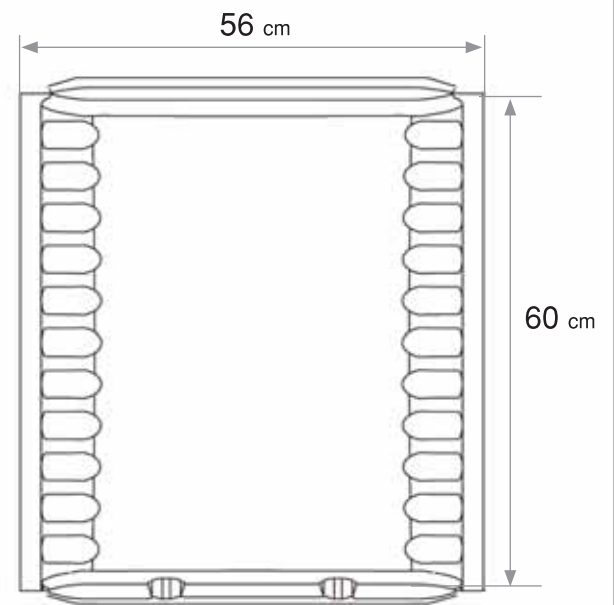
ITEM	ONCENTRES (cm)	SPACING (cm)	SKYRAIL DEPTH (cm)	SLAB THICKNESS (cm)	TOTAL THICKNESS (cm)	RIBBING (cm)	CONCRETE CONSUMPTION (RIBBING) (m ³ /m ²)	CONCRETE CONSUMPTION (m ³ /m ²)	PROP SPACING (m)
SKYRAIL H16	60	51	16	4	20	9	0.033	0.073	3
	60	51	16	5	21	9	0.033	0.083	3
SKYRAIL H20	60	51	20	4	24	9	0.044	0.084	3
	60	51	20	5	25	9	0.044	0.094	3
SKYRAIL H24	60	51	24	4	28	9	0.054	0.094	3
	60	51	24	5	29	9	0.054	0.104	3

ITEM	PALLET SIZE cm	PALLETS No. pcs.	Kg
SKYRAIL H16	120 X 112 X 230	208	540
SKYRAIL H20	120 X 112 X 232	204	570
SKYRAIL H24	120 X 112 X 235	200	620
SKYBLOCK H16	80 X 120 X 230	288	337
SKYBLOCK H20	80 X 120 X 233	284	389
SKYBLOCK H24	80 X 120 X 235	280	440
T-BEAM	80 X 120 X 220	140	258

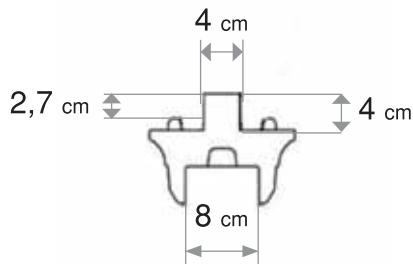
SKYRAIL CROSS-SECTION



SKYRAIL FLOOR VIEW



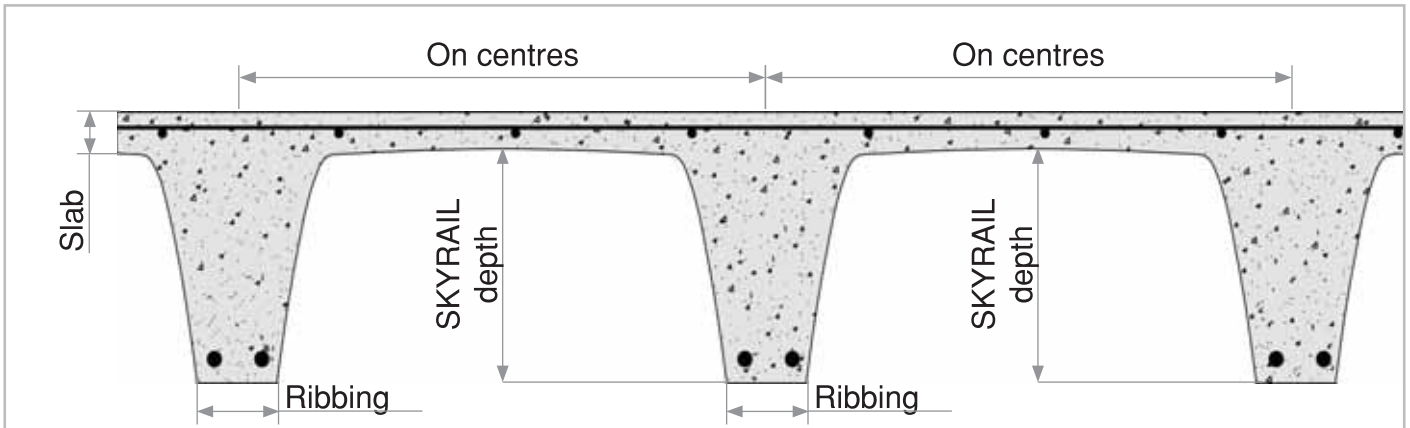
T-BEAM CROSS-SECTION



SKYRAIL TECHNICAL CHARACTERISTICS

LOAD FACTORS FOR THE SKYRAIL SYSTEM, WITH T-BEAMS

ITEM	LOAD FACTOR					
	Tractor 7.5 m			Trailer 13.6 m		
	No. SKYRAIL	No. T-Beams	m ²	No. SKYRAIL	No. T-Beams	m ²
SKYRAIL H 16 system complete of T-Beams	1248	1248	449	2288	2288	823
SKYRAIL H 20 system complete of T-Beams	1224	1224	440	2244	2244	807
SKYRAIL H 24 system complete of T-Beams	1200	1200	432	2200	2200	792





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ASSEMBLY HANDBOOK AND TECHNICAL SPECIFICATIONS

Available in our website www.geoplast.it in the "Documents and data" section

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