

# Technical data sheet SKYDOME H400

## 1. DESCRIPTION

Reusable formwork system for realize bi-directional waffle slabs and large span



## 2. TECHNICAL SPECIFICATIONS

Material	-	Acrylonitrile butadiene styrene (ABS)
Percentage of recycled material	%	100
Colour	-	Black
Dimensions *	cm	75x75x H40
Weight	kg	6.84 (± 10%)
Installation/dismantling time**	min/m <sup>2</sup> /2 workers	11/4
Punching resistance	daN	300
Fire resistance***	-	REI 90 / RE180
Place of production	-	Italy

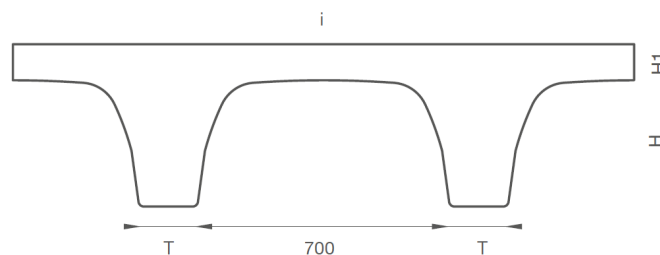
\* in consideration of the recycled material, the measures should be evaluated with a tolerance of ± 1,5%

\*\* The laying times of the complete slab are subject to considerable variations depending on the amount of reinforcement and the working conditions of the workers.

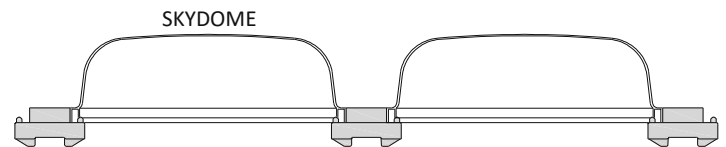
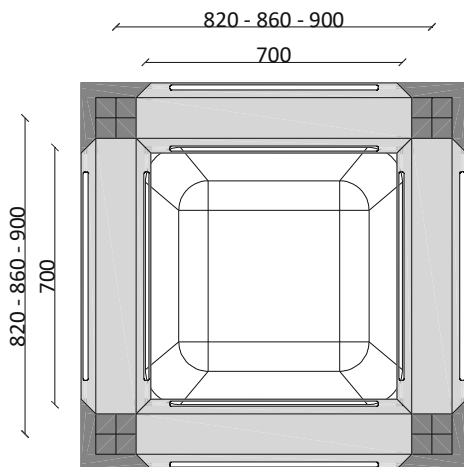
\*\*\* test carried out on a sample with SKYDOME® H30, with a concrete slab of 7cm, according to UNI EN 13501-2:2008

## 3. CONCRETE CONSUMPTION CHART

	Beam width (t) mm	Beam interax (l) mm	Concrete consumption up to the formwork's satin m <sup>3</sup> /m <sup>2</sup>	Slab concrete consumption m <sup>3</sup> /m <sup>2</sup>			Incidence of dome pz/m <sup>2</sup>	Incidence of beams pz/m <sup>2</sup>	Incidence of cubes pz/m <sup>2</sup>
				Slab thk. H1=50mm	Slab thk. H1=100mm	Slab thk. H1=150mm			
SKYDOME H40	120	820	0.185	0.235	0.285	0.335	1.50	3.00	1.50
	160	860	0.205	0.255	0.305	0.355	1.35	2.70	1.35
	200	900	0.222	0.272	0.322	0.372	1.26	2.47	1.26



#### 4. TECHNICAL DRAWINGS



#### 5. TECHNICAL SUPPORT

Geoplast Technical Unit is at the disposal of architects and engineers to offer the required assistance during the implementation of a project. From the statistical calculations to the working drawings.

- **FEASIBILITY STUDY:** Technical Analysis of the project which includes the choice of the most suitable product.
- **PRELIMINARY DESIGN:** Static analysis and preparation of documentation attesting to the reliability of the performance of the proposed system.
- **EXECUTIVE DESIGN AND ON-SITE ASSISTANCE:** Support of specialized designers. A detailed analysis with installation diagrams and/or on-site support can be provided on request.

#### 6. PACKAGING AND TRANSPORT

Product code	-	ESKDOME0400
Code composition	-	1 formwork SKYDOME H400
Packaging size	cm	75 x 150 x H255
Type of packaging	-	Stacked and wrapped in plastic film on pallet
Quantity per pallet	pz	100
Package gross weight *	kg	701

\* weight may change by ( $\pm 10\%$ )