

Technical data sheet SKYDOME H250

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 H25
Weight	kg	4.87 (± 10%)
Installation/dismantling time**	min/m ² /2 workers	11/4
Punching resistance	daN	300
Fire resistance***	-	REI 90 / RE180
Place of production	-	Italy

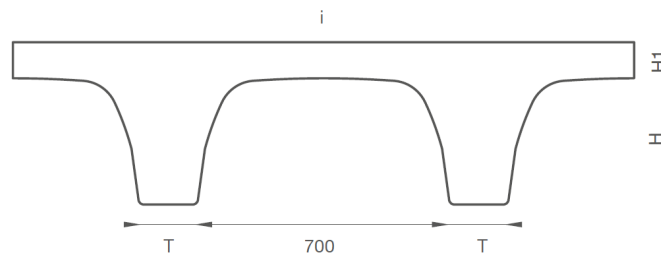
* in consideration of the recycled material, the measures should be evaluated with a tolerance of ± 1,5%

** 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.

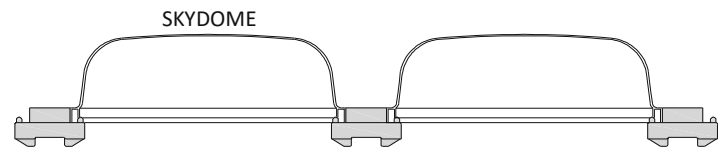
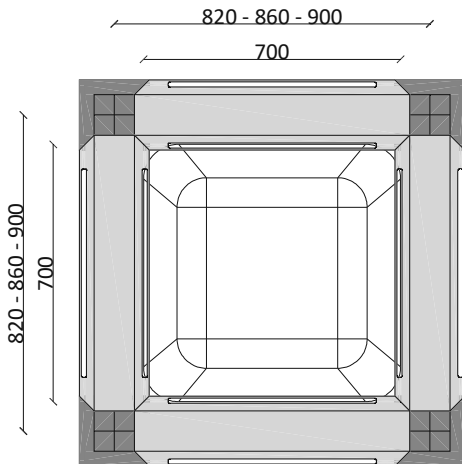
*** test carried out on a sample with SKYDOME® H30, with a concrete slab of 7cm, according to UNI EN 13501-2:2008

3. CONCRETE CONSUMPTION CHART

	Beam width (t) mm	Beam interax (l) mm	Concrete consumption up to the formwork's satin m ³ /m ²	Slab concrete consumption m ³ /m ²			Incidence of dome pz/m ²	Incidence of beams pz/m ²	Incidence of cubes pz/m ²
				Slab thk. H1=50mm	Slab thk. H1=100mm	Slab thk. H1=150mm			
SKYDOME H25	120	820	0.099	0.149	0.199	0.249	1.50	3.00	1.50
	160	860	0.113	0.163	0.213	0.263	1.35	2.70	1.35
	200	900	0.125	0.175	0.225	0.275	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	-	ESKDOME0250
Code composition	-	1 formwork SKYDOME H250
Packaging size	cm	75 x 150 x H236
Type of packaging	-	Stacked and wrapped in plastic film on pallet
Quantity per pallet	pz	100
Package gross weight *	kg	504

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