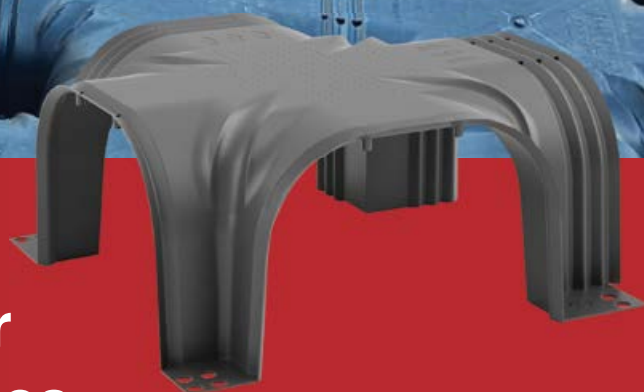


# IGLÙ<sup>®</sup> smart

[www.daliform.com](http://www.daliform.com)



**Permanent, horizontally  
adjustable formworks for  
creating ventilated cavities**



KEY:



Air, moisture



Radon



Cold rooms



Utility passage



Foundations



Certifications



**SWITCHBOARD**  
Telephone +39 0422 2083

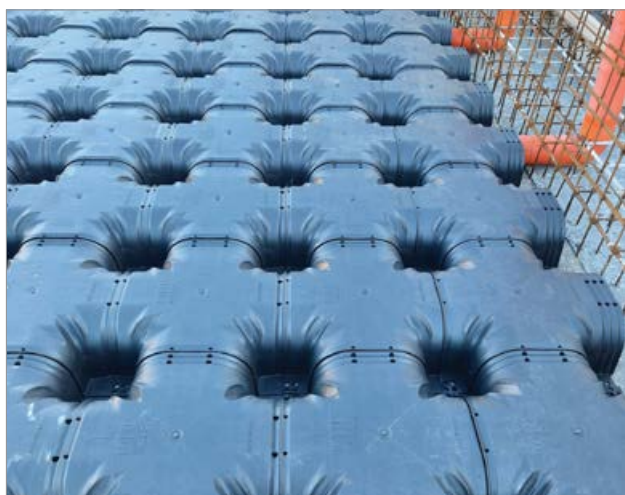
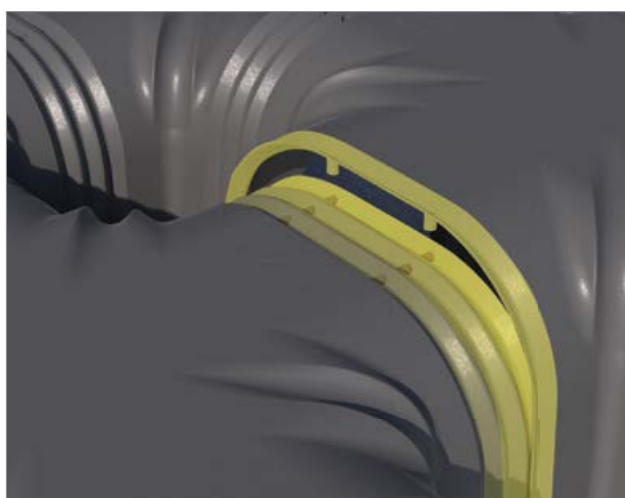


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## IGLU<sup>®</sup> smart

Iglu<sup>®</sup> Smart is the innovative permanent formwork which is both vertically and horizontally adjustable in plan, to facilitate the creation of ventilated cavities that offer even greater flexibility than normal formworks.

Iglu<sup>®</sup> Smart's unique, innovative configuration and special interlocking system with adjustable notches in its two horizontal and vertical appendages, allow for easy adjustment of the size of the formwork's plan in both directions, at right angles to each other, horizontally and vertically.

For example, with Iglu<sup>®</sup> Smart, in addition to the standard dimensions 50 x 50 cm, 52.5 x 52.5 cm, and 55 x 55 cm, it is also possible to obtain non-standard dimensions such as 55 x 52.5 cm, 52.5 x 50 cm, 50 x 55 cm, or 50 x 52.5 cm, simply by adjusting the position of the overlap between the formworks, i.e. by shifting the formwork using the pre-set notches.

Iglu<sup>®</sup> Smart is ideal for covering large surface areas in considerably shorter time frames than with normal formworks without using additional accessories such as extension systems, for example.



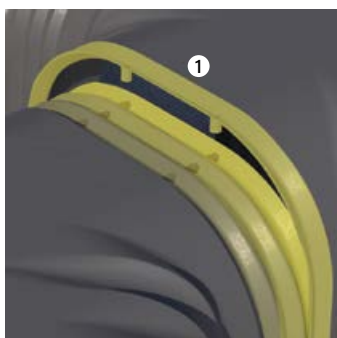
## Advantages

- Possibility of hooking the formworks with interaxle spacing of 50, 52.5 and 55 cm in both directions to adapt the layout to the actual available geometry without using accessories such as extensions.
- Possibility to implement, in a single solution, foundation beams and the slab with the help of the L-Plast accessory.
- Reduction of manpower requirements by up to 80% in comparison to traditional systems.
- Drastic reduction in the use of concrete and aggregates as the arch form permits maximum resistance with a minimum thickness.
- Adaptable to non-standard spaces as the modules can be cut without underpinning.
- Ease of positioning due to lightness and simple linking of the modules.
- Simple adaptation to various perimeters.
- Quick and immediate cutting and shaping of the modules.
- Passage of the underground systems in every direction.
- Creation of a barrier against humidity.
- Tightness against rising humidity.
- Effective ventilation in all directions.
- Disposal of any RADON gas.
- No point of contact between the concrete and the ground.
- Perfect transpiration of the perimeter wall.

By adjusting the position of the overlap between the formworks, it allows to obtain different dimensions in plan:

### 1. Laying in position 55 x 55 cm

1 m<sup>2</sup> = 3,31 pcs



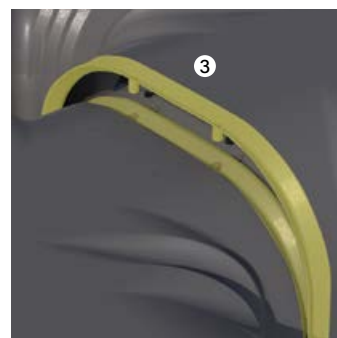
### 2. Laying in position 52,5 x 52,5 cm

1 m<sup>2</sup> = 3,63 pcs



### 3. Laying in position 50 x 50 cm

1 m<sup>2</sup> = 4 pcs

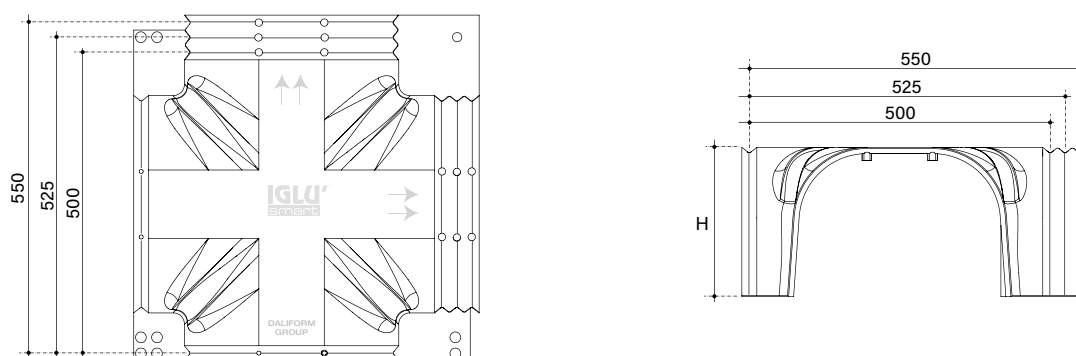


## Applications

Properly ventilated, the crawl space allows the elimination of rising damp and the conveyance of Radon gas, if present, into the atmosphere.

- Ventilated under-floor cavities for civil and industrial buildings that are being built new or reconstructed.
- Urban infrastructure structures: squares, sidewalks, sports facilities.
- Creation of an intermediate slab or roofing for cavities used for ventilation and the passage of systems.
- Rooms used for humidity and temperature control: drying cells, cold rooms, greenhouses, storage rooms and cellars.
- Underground pipes for the passage of utilities. Inspectionable cavities and pits.
- By filling it in simply with expanded clay, it can be used to create roof-top gardens.
- Underground ducts for the dispersion of water and for drainage.
- Overhead sidewalks for passenger loading and unloading or the creation of floating floors.
- Levelling height.

## Range



IGLU' SMART	Dimensions* (formwork position)	Quantity of concrete to the crown**	Piece weight	Pallet dimensions	M <sup>2</sup> pallet	Pieces per pallet	Pallet weight
(H cm)	(cm)	(m <sup>3</sup> /m <sup>2</sup> )	(kg)	(cm)	(m <sup>2</sup> /PAL)	(pcs/PAL)	(kg/PAL)
<b>H 13</b>	55 x 55	0,029	1,525	120 x 120 x 241	121	400	624
	52,5 x 52,5	0,025	1,525	120 x 120 x 241	110	400	624
	50 x 50	0,022	1,525	120 x 120 x 241	100	400	624
<b>H 15</b>	55 x 55	0,032	1,536	120 x 120 x 243	121	400	628
	52,5 x 52,5	0,027	1,536	120 x 120 x 243	110	400	628
	50 x 50	0,024	1,536	120 x 120 x 243	100	400	628
<b>H 20</b>	55 x 55	0,037	1,828	120 x 120 x 248	121	400	745
	52,5 x 52,5	0,032	1,828	120 x 120 x 248	110	400	745
	50 x 50	0,028	1,828	120 x 120 x 248	100	400	745
<b>H 25</b>	55 x 55	0,042	1,968	120 x 120 x 253	121	400	801
	52,5 x 52,5	0,036	1,968	120 x 120 x 253	110	400	801
	50 x 50	0,031	1,968	120 x 120 x 253	100	400	801
<b>H 30</b>	55 x 55	0,047	2,001	120 x 120 x 258	121	400	814
	52,5 x 52,5	0,039	2,001	120 x 120 x 258	110	400	814
	50 x 50	0,033	2,001	120 x 120 x 258	100	400	814
<b>H 35</b>	55 x 55	0,050	2,044	120 x 120 x 263	121	400	832
	52,5 x 52,5	0,042	2,044	120 x 120 x 263	110	400	832
	50 x 50	0,035	2,044	120 x 120 x 263	100	400	832
<b>H 40</b>	55 x 55	0,053	2,282	120 x 120 x 258	115	380	881
	52,5 x 52,5	0,044	2,282	120 x 120 x 258	105	380	881
	50 x 50	0,036	2,282	120 x 120 x 258	95	380	881

\* Recyclable material is allowed a size tolerance of  $\pm 1,5\%$ .

\*\* The volume may vary depending on the pouring condition and the tolerance of the material.

The product does not fear the weather and can be stored outside. In case of disposal the product is totally recyclable.

The Daliform Group engineering service is available to our customers (designers, companies, resellers, commissioning entities) for planning, coplanning, feasibility studies, comparative and cost analyses. The technical consultancy is only valid for the Daliform Group construction systems. To contact the technical office: Tel. +39 0422 2083 - tecnico@daliform.com

To obtain updated technical cards, support material, new photos and case studies, go to [www.daliform.com](http://www.daliform.com)



## Specifications

Implementation of a ventilated under-ground cavity for a total height of \_\_\_\_\_ cm through the supply and on-site positioning of recycled plastic formworks type Iglu<sup>®</sup> Smart by Daliform Group for the quick dry formation of a self-bearing pedestrian accessible platform, above which the C25/30 concrete is cast to fill the formwork up to its crown, and of an upper slab of \_\_\_\_\_ cm reinforced with welded mesh Ø \_\_\_\_\_ cm \_\_\_\_ x \_\_\_\_ cm, leveled and smoothed with a plastering trowel.

Formworks type Iglu<sup>®</sup> Smart shall have distance in both directions of 50 cm, 52,5 cm, 55 cm between centers, reachable adjusting the position of the overlap between the formworks and \_\_\_\_\_ cm of height; rest solely on the four lateral feet to guarantee maximum ventilation and facilitate the passage of utilities; have a dry breaking resistance of 150 kg on the arch between contiguous legs by means of an 8 x 8 cm pressure plate.

The formwork type Iglu<sup>®</sup> Smart must belong to the list of goods that are part of the Recycling Directory (M.D. 203/2003); be produced in "ALAPLEN<sup>®</sup> CP30"; must not release polluting substances; must have an Environmental Compatibility Certification and be produced by a Company Certified according to International Standards UNI EN ISO 9001 (Quality), UNI EN ISO 14001 (Environment); UNI EN ISO 45001 (Safety) and SA 8000 (Social responsibility).

The company that supplies Iglu<sup>®</sup> Smart formworks shall provide for technical sheet and safety sheet of the product and of "ALAPLEN<sup>®</sup> CP30" grain texture and exhibit the product certificate approved by an EOTA member agency (European Organization for Technical Approvals).

Including accessories, waste, cutting and any other expense: \_\_\_\_\_ /m<sup>2</sup> \_\_\_\_\_




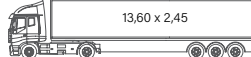


## Supply and installation cost grid

Nr.	Item	U.M.	Quantity	Unit price	Total
1	Supply and casting of lean concrete with a thickness of _____	m <sup>3</sup> /m <sup>2</sup>			
2	Supply of the IGLU <sup>®</sup> SMART formwork, h _____	m <sup>2</sup> /m <sup>2</sup>	1		
3	Dry installation of the IGLU <sup>®</sup> SMART formwork on the prepared surface	h/m <sup>2</sup>	0,0125		
4	Supply and positioning of the welded mesh Ø ____ mm - 20x20 cm	kg/m <sup>2</sup>			
5	Supply and casting of concrete C25/30 - for filling up to the crown	m <sup>3</sup> /m <sup>2</sup>			
6	Supply and concrete casting CLS C25/30 - for a slab of cm _____	m <sup>3</sup> /m <sup>2</sup>			
				Total cost €/m <sup>2</sup>	

## Logistics - pallet capacity

### MEANS OF TRANSPORT

### NO. OF PALLETS

Tractor (8,20/9,60x2,45)	12/14	
Trailer (6,20x2,45)	10	
Tractor + Trailer type "BIG" (8,40+7,20x2,45)	12+12	
Semi-trailer (13,60x2,45)	22	
20 feet container	11*	
40 feet container	18*	

\* the m<sup>2</sup> per pallet can vary based on the type of container.

The information contained in this catalogue could be changed. Please request updated informations from DALIFORM GROUP, which reserves the right to make changes at any moment without notice. In consideration of recycled material, it is specified that there are tolerance margins caused by environmental factors.





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Certified Management System UNI EN ISO 9001,  
UNI EN ISO 14001, UNI EN ISO 45001, SA 8000

Partner of  
GBC Italia

Rating di legalità: ★★+