

IGLÙ'
ventilatedroof

www.daliform.com



**Disposable
formwork for sloped
or flat ventilated roofs**



LEGEND:



Air, moisture



Radon



Ventilation



Certifications

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IGLU® ventilatedroof

An increasingly important topic over the past few years has been the excessive amount of energy used by buildings, a use that can be considerably reduced through **roof ventilation** achieved by using Iglu® ventilated roof.

By placing Iglu® ventilated roof formworks on the building's horizontal roof, an air cavity is created that insulates from the heat in the summer and from the cold in the winter, resulting in savings in indoor air conditioning.



The accumulation of heat in the summer and low winter temperatures with the formation of condensation and mold, are phenomena that can find a valid solution with the adoption of a ventilated roof with Iglu® ventilated roof, a system that promotes continuous air flow inside the under-covering.



Advantages



Cutaway of a flat roof ventilated with Iglu® ventilated roof



Cutaway of a pitched roof ventilated with Iglu® ventilated roof

The realization of a ventilated roof (flat and pitched roof) with Iglu® ventilated roof provides greater living comfort both in winter and summer, as well as improving the conservation of the materials forming the roof.

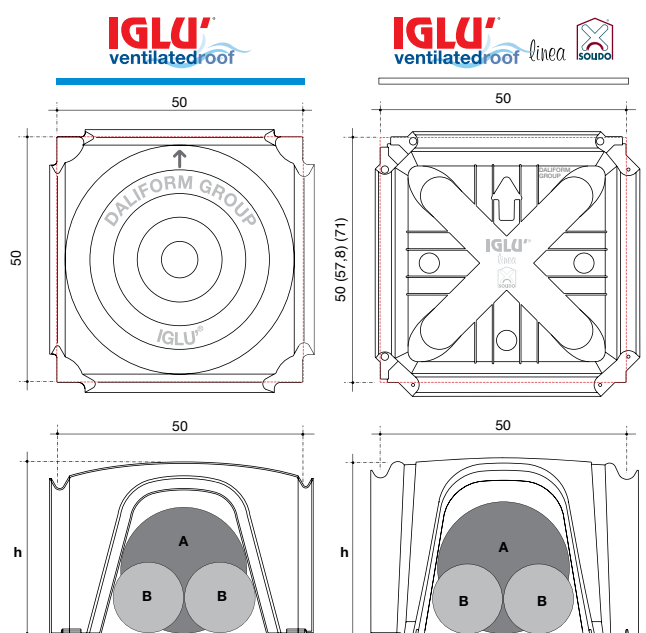
- In the winter months, closing the ventilation with a simple register, it can isolate from the cold outside.
- In the summer months it can reduce heating of the spaces below thanks to ventilation.
- The ventilation also avoids moisture stagnation below the roof surface and thus prevents the formation of mold or other substances which may lead to a degradation of the structure.
- Significant savings on energy consumption (heating/cooling).

The height of the interspace is to be determined in function of the technical characteristics of the roof, such as the type of coverage, the length and slope of the pitch and the local weather conditions.

Tests have been performed on roof ventilation using Iglu® ventilated roof, in collaboration with the University of Malta, which have provided very valid results, combining a summer ventilation system with the closure of air inlets in winter, in order to create an insulating cavity.

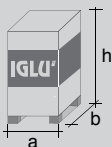
In the winter, a condensation vacuum tied to specific registers can be prepared to avoid excess moisture inside the cavity.

Technical details



✚ Iglu® linea  : model with rib cross on the dome.

Depending on the different heights, the shape of the formwork may differ from those depicted.

			
	H cm ▶	4	4⁺
Useful dimensions *	cm	50x50	50x50
Height h tunnel clearance	h cm	3	2,2
Pipe A max diameter	1 x Ø cm	3	2,2
Pipes B max diameter	2 x Ø cm	3	2,2
Quantity of concrete to the crown**	m³/m²	0,004	0,006
Weight of each unit	Kg.	0,770	0,800
Pallet dimensions 	a x b x h	110x110x110	110x110x252
	Kg.	310	500
	Units	400	600
	Sqm	100	150

The material does not fear the bad weather and therefore it can be stored outside.

* In consideration of the recycled material, it is permitted a size tolerance of 2.5%.

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

Applications



Pitched roof ventilated with Iglu® ventilated roof

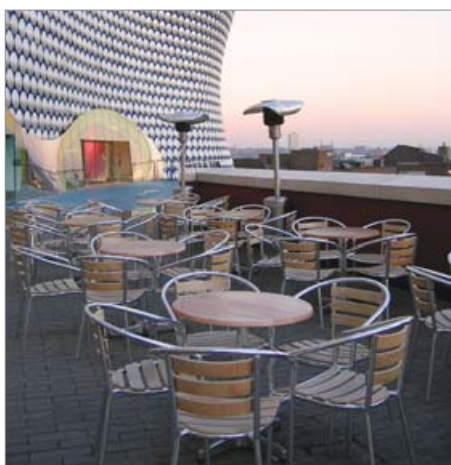
The roof is a very important part of each building to ensure an effective response to environmental factors such as temperature fluctuations and weather.

The use of Iglu® ventilated roof in **residential, commercial, industrial or public buildings** is essential to create:

- **comfortable attics** with the appropriate hygrothermal characteristics: the creation of an air gap of constant thickness is a brilliant design choice, compatible with any pitched roof in reinforced concrete.
- **flat roof terraces** so up to allow full exploitation of the surface of the built space.



Flat roofs ventilated with Iglu® ventilated roof and used as a terrace (accessible)



Flat roofs ventilated with Iglu® ventilated roof

6+	8	8+	10+	12	12+	14+	16	16+
50x50	50x50	50x50	50x50	50x50	50x50	50x50	50x50	50x50
3,9	4,5	5,9	5,8	8	7,7	9,8	11	11,8
3,9	4,5	5,9	5,8	8	7,7	9,8	11	11,8
3,9	4,5	5,9	5,5	8	7,5	9,4	9,5	11
0,007	0,012	0,010	0,013	0,016	0,021	0,028	0,034	0,030
0,840	1,240	0,875	1,200	1,250	1,225	1,250	1,300	1,275
110x110x254	110x110x210	110x110x256	110x110x220	110x110x225	110x110x220	110x110x230	110x110x244	110x110x220
520	525	640	576	530	576	420	420	420
600	400	600	480	400	480	340	300	320
150	100	150	120	100	120	85	75	80

The Daliform Group technical office 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: Ph. +39 0422 208350 - tecnico@daliform.com
To obtain updated technical cards, support material, new photos and case studies, go to www.daliform.com

Specifications

PITCHED ROOF AND ACCESSIBLE ATTIC SPACE with IGLU'® ventilated roof

Supply and installation of **IGLU'® ventilated roof** disposable modular formworks in recycled polypropylene, consisting of flat or convex dome on four supports, plan dimensions of 50x50 cm from the axis of the gorges, equipped with Product Certificate and certified by an authorized Institute for a minimum tensile strength of 150 kg applied on the top of the central dome of the formwork with a presser of 5x5 cm, to be achieved in the following ways:

-installation of the elements with equally oriented **IGLU'® ventilated roof** writing and arrow and legible text (arrow outward the operator) from the left corner to the right, making sure to overlap them on the previous one by edge endorsement to the left, when the line is complete start again (from left as you write) with the same described methodology but being careful to overlap the edge endorsement both on the left and on the previously laid line.

IGLU'® ventilated roof must be produced by a Certified Company with an Integrated Management System **UNI EN ISO 9001** (Quality), **UNI EN ISO 14001** (Environment); **BSI OHSAS 18001** (Safety) and **SA 8000** (Social Responsibility).

Ridge height of **IGLU'® ventilated roof** cm _____

By the square meter € _____

FUNCTIONAL COVERING TERRACES VENTILATED with IGLU'® ventilated roof

Supply and installation of **IGLU'® ventilated roof** disposable modular formworks in recycled polypropylene, consisting of flat or convex dome on four supports, plan dimensions of 50x50 cm from the axis of the gorges, equipped with Product Certificate and certified by an authorized Institute for a minimum tensile strength of 150 kg applied on the top of the central dome of the formwork with a presser of 5x5 cm, to be achieved in the following ways:

-installation of the elements with equally oriented **IGLU'® ventilated roof** writing and arrow and legible text (arrow outward the operator) from the left corner to the right, making sure to overlap them on the previous one by edge endorsement to the left, when the line is complete start again (from left as you write) with the same described methodology but being careful to overlap the edge endorsement both on the left and on the previously laid line.

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Ridge height of **IGLU'® ventilated roof** cm _____

By the square meter € _____

Logistics - pallet capacity

MEANS OF TRANSPORT	NO. OF PALLETS	
Tractor (8.20/9.60x2.45)	14/16	
Trailer (6.20x2.45)	10	
Tractor+ Trailer type "BIG" (8.40+7.20x2.45)	14 + 12	
Semi-trailer (13.60x2.45)	24	
20 feet container	10*	
40 feet container	20*	

* the m² per pallet can vary based on the type of container.

The images are merely indicative, by way of example. The information contained in this catalogue could be changed. Before placing an order, request a confirmation or updated information from the 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.