



*Constructions Métalliques
et Préfabrication d'Arles*

1, Rue Copernic - Z.I. Nord - 13200 ARLES

☎ : 04.90.93.33.30 - Téléfax : 04.90.93.33.31

Client/Customer : AIR LIQUIDE AGS GmbH
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CHAPTER 8

FOAMGLAS

PITTSBURGH CORNING EUROPE N.V.

Albertkade, 1
B - 3980 Tessenderlo

CONFORMITY CERTIFICATE

AIR LIQUIDE PURCHASE ORDER Nr. : 4500023517

Project Number : K70101 ASU KOSICE / ASU No. 9 KOSICE

Business Number : LP 119 I 40009

Order numbers: PCE 408031

Date : March 15, 2005

We hereby certify that the FOAMGLAS® products manufactured for this order are made in accordance with ASTM C552-91 and others norms and type approvals as generally stated on the packing of each parcel, in our Tessenderlo plant, which operates under a quality system certified according to NBN EN ISO 9001:2000 . All the necessary tests and inspections have been carried out in accordance with the procedures and work instructions of the quality system.

The compressive strength is measured according to EN 826 and ASTM C240-91.
The density is measured according to EN 1602 and ASTM C303.
The thermal conductivity is measured according to ISO 8301 and ASTM C518 (Heat flowmeter method).

For Fabricated ware, the dimensions are in accordance to the A.G.Q. norm Q137.

The material - cellular glass FOAMGLAS® - is made of pure glass. It does not contain binders nor fibers, and it presents no health dangers nor is it harmful for the environment.



Dr. Hans Strauven

Process Control &
Development Manager

PITTSBURGH CORNING EUROPE N.V.

Albertkade, 1
B - 3980 Tessenderlo

QUALITY CERTIFICATE

Date : March 15, 2005

AIR LIQUIDE PURCHASE ORDER Nr. : 4500023517

Project Number : K70101 ASU KOSICE / ASU No. 9 KOSICE

Business Number : LP 119 I 40009

Pittsburgh Corning Europe order number : PCE 408031

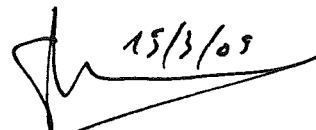
FOAMGLAS® HLB 1000

Specification : I-QA-01-SS 2001-10-23

We hereby certify that the FOAMGLAS® cellular glass insulation manufactured for this order is made in accordance with the specification referenced above and others norms and type approvals as generally stated on the packing of each parcel, in our Tessenderlo plant, which operates under a quality system certified according to NBN EN ISO 9002. All the necessary tests and inspections have been carried out in accordance with the procedures and work instructions of the quality system.

The compressive strength is measured according to EN 826 and ASTM C240-91.
The density is measured according to EN 1602 and ASTM C303.
The thermal conductivity is measured according to ISO 8301 and ASTM C518 (Heat flowmeter method).

The material - cellular glass FOAMGLAS® - is made of pure glass. It does not contain binders nor fibers, and it presents no health dangers nor is it harmful for the environment.



Dr. Hans Strauven

Process Control &
Development Manager

AIR LIQUIDE PURCHASE ORDER Nr. : 4500023517
Project Number : K70101 ASU KOSICE / ASU No. 9 KOSICE
Business Number : LP 119 I 40009

PITTSBURGH
 CORNING
 EUROPE N.V.

Tessenderlo
 15/03/2005

QUALITY CONTROL
 TEST CERTIFICATE

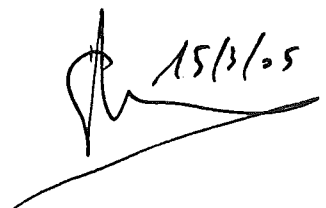
FOAMGLAS(R) TYPE
 HLB1000

Compressive strength per ASTM C240-91 and EN 826

Thermal conductivity per ASTM C518 and ISO 8301

Date dd/mm/yyyy	Hr	Unit nr	Line nr	Compressive Strength [N/mm ²]	Density [Kg/m ³]	K-Value at 10 degr.C [W/mK]
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02/02/2005	00	11	11	1.095	129	
02/02/2005	01	11	11	1.328	127	
02/02/2005	02	11	11	1.193	127	
02/02/2005	03	11	11	1.057	126	
02/02/2005	04	11	11	1.287	126	
02/02/2005	05	11	11	1.193	125	
02/02/2005	06	11	11	1.156	128	
02/02/2005	07	11	11	1.272	129	
02/02/2005	08	11	11	1.345	137	
02/02/2005	09	11	11	1.483	136	
02/02/2005	10	11	11	1.662	137	
02/02/2005	11	11	11	1.416	136	
03/02/2005	04	11	11	1.541	139	
03/02/2005	05	11	11	1.479	139	
03/02/2005	06	11	11		128	0.0426
03/02/2005	06	11	11	0.928	128	
03/02/2005	07	11	11	0.863	130	
03/02/2005	08	11	11	1.005	128	
03/02/2005	09	11	11	1.190	127	
03/02/2005	10	11	11	1.099	127	
03/02/2005	11	11	11	0.910	127	
03/02/2005	12	11	11	1.028	128	
03/02/2005	13	11	11	0.941	128	
03/02/2005	14	11	11		127	0.0425
03/02/2005	14	11	11	1.179	128	
03/02/2005	15	11	11	1.102	127	
03/02/2005	16	11	11	1.116	127	
03/02/2005	17	11	11	1.012	129	
03/02/2005	18	11	11	1.234	126	
03/02/2005	19	11	11	1.085	128	
03/02/2005	20	11	11	1.098	129	
03/02/2005	21	11	11	1.222	128	
03/02/2005	22	11	11		128	0.0420
03/02/2005	22	11	11	1.149	128	
03/02/2005	23	11	11	1.204	128	
04/02/2005	00	11	11	1.324	128	
04/02/2005	01	11	11	1.204	128	
04/02/2005	02	11	11	1.097	130	
04/02/2005	03	11	11	1.160	129	
04/02/2005	04	11	11	1.218	128	

 15/3/05

AIR LIQUIDE PURCHASE ORDER Nr. : 4500023517**Project Number : K70101 ASU KOSICE / ASU No. 9 KOSICE****Business Number : LP 119 I 40009**PITTSBURGH
CORNING
EUROPE N.V.Tessenderlo
15/03/2005

QUALITY CONTROL
TEST CERTIFICATEFOAMGLAS(R) TYPE
HLB1000

Compressive strength per ASTM C240-91 and EN 826

Thermal conductivity per ASTM C518 and ISO 8301

Date	Hr	Unit	Line	Compressive	Density	K-Value
dd/mm/yyyy		nr	nr	Strength		at 10 degr.C
				[N/mm^2]	[Kg/m^3]	[W/mK]

04/02/2005	05	11	11	1.170	128	
04/02/2005	06	11	11		127	0.0421
04/02/2005	06	11	11	1.071	128	
04/02/2005	07	11	11	0.944	127	
04/02/2005	08	11	11	1.107	125	
04/02/2005	09	11	11	0.925	127	
04/02/2005	10	11	11	1.191	126	
04/02/2005	11	11	11	0.884	129	
04/02/2005	12	11	11		127	
04/02/2005	12	11	11	1.192	125	
04/02/2005	13	11	11	1.166	126	
04/02/2005	14	11	11	0.923	128	
04/02/2005	15	11	11	0.977	128	
04/02/2005	16	11	11	0.912	129	
04/02/2005	17	11	11	1.307	128	
04/02/2005	18	11	11	0.889	130	
04/02/2005	19	11	11	0.867	128	
04/02/2005	20	11	11	1.159	129	
04/02/2005	21	11	11	1.153	128	
04/02/2005	22	11	11		129	0.0419
04/02/2005	22	11	11	1.259	127	
04/02/2005	23	11	11	0.921	129	