REIS

PACKAGING EUROPE

SINGLE DECLARATION

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1. Declaration of conformity of glass containers for food packaging

1.1. We hereby declare that the glass containers supplied comply with the provisions of current legislation on materials intended to come into contact with foodstuffs. The containers comply, in particular, with the requirements of:

- Presidential Decree No. 777 of 23/08/1982 and sub- sequent updates and in particular Regulations 1935/2004/EC and 2023/2006/EC.
- Ministerial Decree of 21/03/73 concerning the „Hygienic regulation of packaging, containers, utensils, in- tended to come into contact with foodstuffs or substances for personal use“ and subsequent updates and amendments.

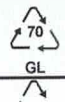
In particular, we declare that our containers are classified in the IIIrd hydrolytic category foreseen by standard 12111 (May 1976) and category A (any contact condition including sterilization, All. II Sect. 5 D.M. 21 March 1973) and art. 2 paragraph 1, a) b) c) of L.D. of 25 January 1992 n° 108/92.

1.2. D.L. 03/04/2006 no. 152, „Norme in materia ambientale“ and subsequent updates, i.e. they have heavy metal content below the limits indicated in Directives 91/156/EEC on waste, 91/689/EEC on hazardous waste and 94/62/EEC on packaging and packaging waste“ and in particular Dir. 2001/171/EEC and 2006/340/EEC, on heavy metal content.

1.3. In accordance with the aforementioned Legislative Decree 152/2006, we also certify that the glass packaging we supply is fully recyclable as glass material and that internally produ- ced glass cullet and small quantities of controlled cullet are recycled in the production cycle.

SINGLE DECLARATION

1.4. Based on Commission Decision 97/129/EC, made mandatory by Legislative Decree No. 116 of 3 September 2020, the following are the recycling codes for:

Attention: For proper management of separate collection, it is recommended to check the specific regulations of the individual municipality.			
Glass Containers - Jars and Bottles			
Glass Color	Alphanumeric code		Symbol
Flint	GL	70	
Green	GL	71	
Brown	GL	72	
Twist off			
Alphanumeric code			
C/Fe		91	
Other articles			
Family	Alphanumeric code		Symbol
Plastic closure 31,5x24	HDPE	2	
Plastic closure 31,5x44	HDPE	2	
Aluminium closure 31,5x24	C/ALU	90	
Aluminium closure 31,5x44	C/ALU	90	
Tin Containers	FE	40	
Grinding cap	Other	07	
Spice cap	Other	07	
Capsule TC/TE	Other	07	
Capsule R3	Other	07	

SINGLE DECLARATION

1.5. It is hereby declared that the glass packaging supplied by us, does not contain any of the hazardous substances mentioned in Directives 2006/121/EEC, 1907/2006/EEC as amended and US California State Proposition 65, 21 October 2016 (Safe Drinking Water and Toxic Enforce- ment Act 1986).

1.6. The industrial or commercial use of the material indicated in this declaration does not exclude the verification of its compliance with the relevant standards in force as well as its technological suitability for the purpose for which it is intended.

1.7. The product is stored and handled under optimal conditions to prevent accidental contamination. It is recommended as a precautionary measure, according to Art. 10 of 12/02/1973 and in accordance with Reg. 852/2004 to: tip/blow/rinse the container before use.

1.8. The product is stored in closed rooms but, temperature exchanges and long storage can generate a thin film inside the glass containers called 'soda drop', this patina is in no way harmful or dangerous and therefore does not limit the normal use of the glass container.

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info@reispackaging.com
www.reispackaging.com

06/03/2024

X

Neustadt / Weinstraße (D)

Sven Köhler, Quality Manager

2. Glass composition and use of recycled glass in production

The containers are made of sodium-calcium glass without the deliberate introduction of heavy metals (lead, cadmium, mercury or hexavalent chromium).
The typical chemical composition is:

Element	Percentage	Formula
Sand	69-74%	(SiO_2)
Soda, potash	13-15%	(Na_2O, K_2O)
Lime, dolomite	11-13%	(CaO, MgO)
Albite	1-3%	(Al_2O_3)
Others	< 5%	(Ba, Fe, Ti)

- Recycled material may be used in the glass production process, either of internal (process waste) or external origin, depending on the colour of the glass and the availability and quality of the raw material itself.

- The percentages of use of recycled material may vary in compliance with the limits on heavy metal content set by European Directive 94/62/EC, derogation 2001/171/EC and subsequent amendment 2006/340/EC of 200 ppm on an annual basis.

Typical percentages of external recycled material vary mainly according to colour:

Color – Origin	Recycling content
Extra flint	0-5%
Industrial flint - Italy	10-30%
Industrial flint - Europe	45-60%
Flint - Turkey	18%
Coloured glass - Turkey	19%
Half-flint	30-60%
Coloured glass	60-80%

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3. Declaration Absence of specific compounds

Reis Packaging Europe GmbHdeclares that the following substances:

- Bisphenol family;
- GMOs (Genetically Modified Organisms);
- PFAS;
- Allergens
- Substances of animal origin
- MOSH e MOAH;
- Phthalates;
- Halal substances;

are absent from marketed glassware because they are unrelated to the production process and product characteristics.

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Declaration
4. REACH - Regulation (EG) Nr.1907/2006

Glass under the REACH Regulation

The REACH Regulation, EC Regulation No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals, is the European Union's regulatory framework on chemicals and their safe use. It entered into force on 1 June 2007. It streamlines and improves the previous EU legislative framework on chemicals. REACH makes industry responsible for assessing and managing the risks posed by chemicals and for providing adequate safety information to their users. In parallel, the European Union can take further measures on highly dangerous substances where complementary action is needed at European level.

Nature of glass

Glass is an inorganic material made from several inorganic raw materials that react at high temperature to form a new random network, where different elements are connected to each other, typically by oxygen bridges. Under REACH, glass is considered a UVCB substance (substance of unknown or variable composition, complex reaction products or biological materials). The raw materials used in a glass formulation undergo physical (melting) and chemical (network formation) processes. During the chemical reaction to form glass (synthesis), various crystalline substances (a, b, c, d, e, ...) are transformed into a non-crystalline glassy substance (x). The physico-chemical properties of the glass of the new substance (chemical resistance, mechanical strength, transmittance, color, etc.) are a function of the network formed. Different compositions lead to different chemical structures of the glass and consequently to different physico-chemical properties of the final substance.

SINGLE DECLARATION

Glass and Registration: Exemption of Substance Glass

Based on the nature of the glass substance and its generic inertness, the Commission added glass to the list of substances exempted from the 'registration requirement' (Reach Regulation Annex V (11) (*)).
This exemption complies with the following requirements: "The following substances, unless they meet the criteria for classification as dangerous according to Directive 67/548/EEC and provided that they do not contain constituents meeting the criteria for classification as dan- gerous according to Directive 67/548/EC present in concentrations above the lowest of the applicable concentration limits set out in Directive 1999/45/EC or the concentration limit set out in Annex 1 to Directive 67/548/EEC, unless conclusive scientific experimental data show that these constituents are not available throughout the life-cycle of the substance and such data have been established as adequate and reliable: Glass, ceramic frits'.

Glass and supply chain notification

The obligation to notify under Art. 7(2) of REACH and to communicate down the supply chain under Art. 33 of REACH only applies to articles containing substances from the Candidate List. Substances on the Candidate List are used to manufacture glass and are involved in processes leading to the manufacture of glass articles. In these processes, substances are chemically transformed into the glass substance. The glass substance is subsequently processed into articles. In these cases, the substances are completely transformed and are not present as such in the final glass article. Consequently, there is no notification requirement under Art.
7(2) of REACH, nor to communicate information down the supply chain pursuant to Art. 33 of REACH. This was confirmed in the ECHA Q&A - ID 1218 - 12/09/2016 regarding boron com- pounds.

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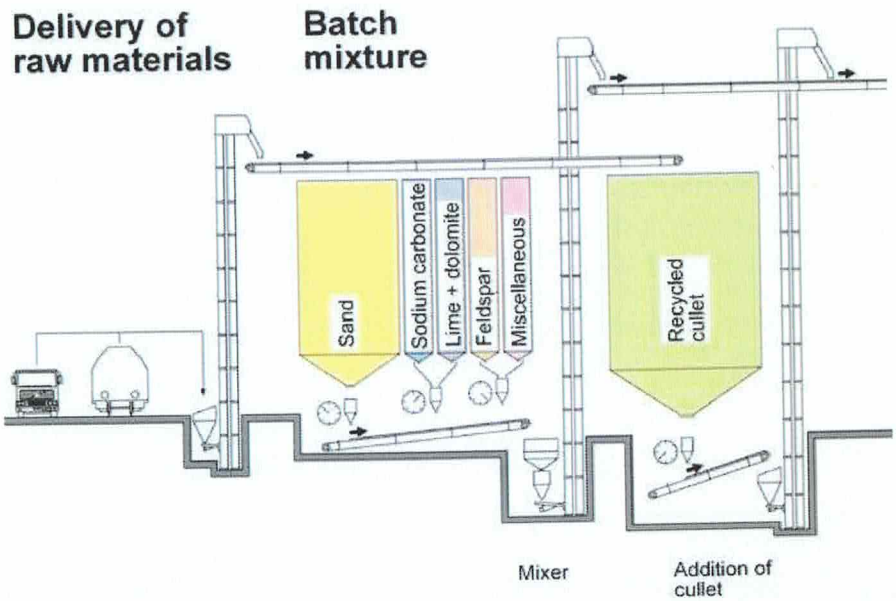
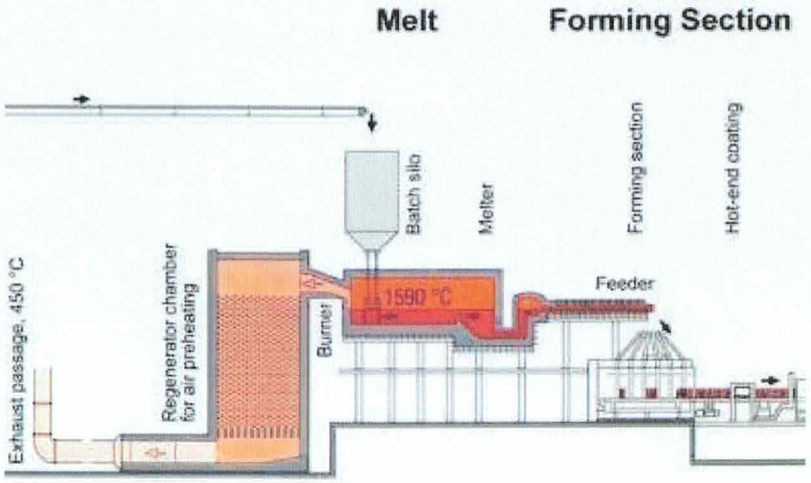
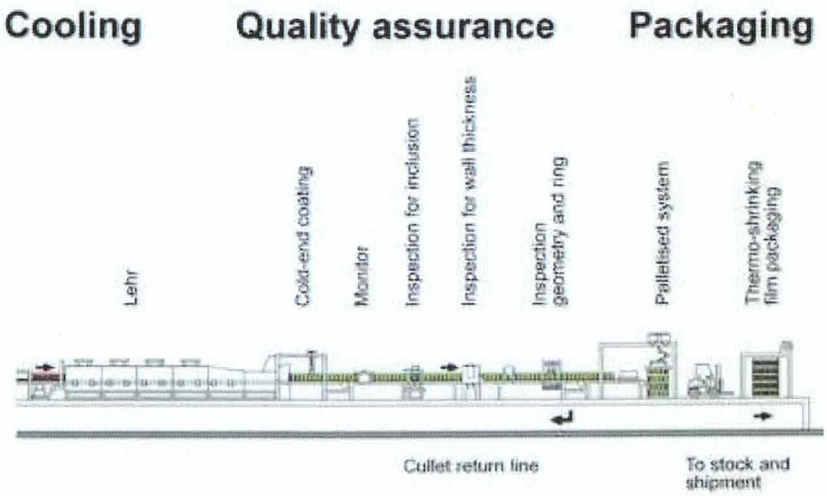
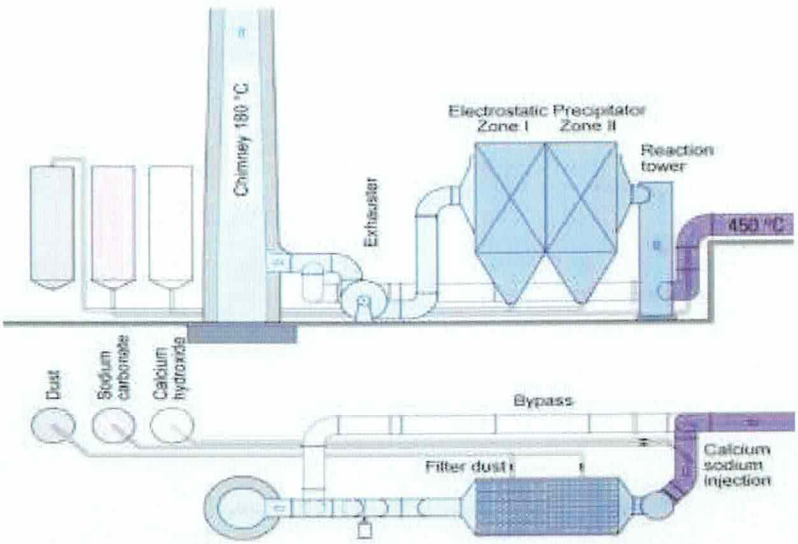
5. How is glass made? Flow chart

Glass is usually melted in a continuous process from raw materials. This process takes place in glass furnaces optimised for economic and environmental aspects. From the hot melt, the final product is moulded in moulding machines. Glass products display an almost infinite variety of qualities and properties, which can be achieved by selecting/designing the glass composition for the required application. Glass is typically produced in furnaces at a temperature of around 1,400-1600°C in the molten glass. A continuous process involving heating, melting, chemical reactions and removal of gases from the melt is in operation in the melting tank.
The construction of the glass melting furnace complies with the qualities required for glass melting, in particular the maximum melting temperature required and the corrosiveness of the refractory material protecting the furnace. Legal requirements regarding gas emissions are a further important criterion for the quality of a furnace. Glass furnaces can generally be classified into those operating continuously and those operating discontinuously. Different heat sources (fuel, gas, electric, combination of these) can be used to melt raw materials and form glass.




Melt
Forming Section
Batch silo
Melter
Forming section
Hot-end coating
Feeder
1590 °C
Burner
Regenerator chamber for air preheating
Exhaust passage, 450 °C


Cooling
Quality assurance
Packaging
Lehr
Cold-end coating
Monitor
Inspection for inclusion
Inspection for wall thickness
Inspection geometry and ring
Palletised system
Thermo-shrinking film packaging
Cullet return line
To stock and shipment


Chimney 180 °C
Electrostatic Precipitator
Zone I
Zone II
Reaction tower
Exhauster
450 °C
Dust
Sodium carbonate
Calcium hydroxide
Bypass
Filter dust
Calcium sodium injection

6. Certificates Reis Packaging Europe GmbH

a. ISO Certificate

Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 041442**

Certificate Holder:

REIS
PACKAGING EUROPE

Reis Packaging Europe GmbH
Im Altenschemel 53
67435 Neustadt
Germany

Scope: Wholesale with standard bottles, special bottles and lids as well as bottle recycling

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2023-03-08 until 2025-12-20.
First certification 2004

2023-03-08 (Change)

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

www.tuv.com

IAF MLA

DAkkS Deutsche Akkreditierungsstelle D-ZM-16031-01-00

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Index