Conciliation Scheme

For domestic consumers who are unable to resolve a complaint directly with a GGF Member Company













The Glass & Glazing deration (GGF) offers e conciliation service tomers of GGF r companies

What is the Conciliation Scheme?

The Conciliation Process - Stage 1

al ts In the first instance you should write to the Conciliation Manager (address at the end of this leaflet) outlining your complaint.

You should enclose a copy of both sides of your contract and any other related documentation. In the rare event that you have no written contract, you will be expected to provide letters or an invoice to support our complaint. An up to date defects list is uested and this should detail all faults ou consider to be outstanding. This attion will be assessed to ensure that plaint falls within the remit of the

Why should I consider conciliation?

www.ggf.org.uk

It should be noted that there are three main issues with which the GGF are unable to assist. These are:

- **1 Compensation** because we have no mandate to impose such a solution
- 2 Condensation because this is a naturally occurring phenomenon (except where it appears between the panes of glass) For information on condensation, the GGF leaflet "Condensation Some Causes, Some Advice" is available for purchase
- 3 **Litigation** because we are an independent third party

All parties will be kept informed of progress by way of written correspondence.

The Consumer will receive a letter detailing what actions the GGF are taking. A letter and customer file will be sent to the Member Company involved and asked what actions they have taken and/or intend to take.

The GGF expect a response to be received within certain prescribed timeframes and where this is not the case with a Member Company, a reminder will be sent instructing them to deal with the matter. If the consumer fails to respond to correspondence, then a reminder letter may be sent stating that if they fail to respond, the matter shall be considered to have been resolved to their satisfaction.

This process has a very high success rate and issues are usually resolved without the need for expensive litigation, benefitting the consumer and GGF Member companies.

The Conciliation Process - Stage 2

In the rare cases that this does not work and a Member Company fails to deal with the matter through conciliation, there is a Consumer Arbitration Scheme provided through The Chartered Institute of Arbitrators for the GGF and this may be considered by the Conciliation Manager.

What about confidentiality?

Details of the complaint and any resolution found are to be treated as confidential between all parties to the complaint and the GGF.

How do I request conciliation?

If you have raised your concerns with the Member Company in writing and they have not addressed the issues for you, please write to the Conciliation Manager at:

Email: conciliation@ggf.org.uk

Conciliation Scheme 3

ist on GGF Protection"



Glass and Glazing Federation 40 Rushworth Street London SE1 0RB

> Tel: 020 7939 9100 Fax: 0870 042 4266 Email: info@ggf.org.uk www.ggf.org.uk



D.1 Il rchase of har ionised Euro ian Nor is (hENs ii

All harmonised European Norms (hENs) and supporting standards oduct set method culation method set sha set purchased from the national standards odies sheir set addresses are given in Attachment set.

D. Bructure of hEN

Shis structure is the same for all hens \$

Contents of hEN		erence in this document
S re S ord		
E0 ac	Scope	
\$E	Normative references	
E0 31	Definitions	
95	le l	Attachment 🔢
93	Evaluation of conformit	Attachment 🖺
6	🖫 🛅 g and la 🛍 ling	Attachment 🖫
Annex A (Normative)	■tor production control	Attachment 🖺
larious annexes	■ methods relating to factor production control	Product standard specific
Annex (Mormative)	Provisions for the voluntar hvolvement of third part (es)	Attachment 🔢
Annex (Mormative)	Provisions of EU Construction Product Directive	Attachment 6

D.3 ANNEX ZA

Clauses of this European Standard addressing the provisions of EU Construction Products Directive (see also Attachment 6)

Hen the European Commission accepts the candidate harmonised European Norm as a hEN then reference is made in the official Marnal of the EC has made in the Annex Annex

Contact Bur national standards bd and rational glass association to ballinen the Annex Annex has become normative

D.3.1 Intended use ("essential characteristic" 🖺 👪 🏗 ZA.1

The colour coding has then duplicated thin chapter E (Schematic overviet)

E0 6060

Bac Idause num Bars relate to product group – Basic soda lime silicate glass ₩

Led clause num les relate to processed products less hermall les reated leminated leated insulating glass units les



	:e :	Product - Glæs products covered under the scope of this standard At ended use: A buildin sand Sonstrusion sors					
	No	Essential Mara Veristi	irements in this and other European Standard(s)	and at ed e els and or asses	Notes		
	\longrightarrow	Salit lin the lase of the -					
nse –	(1)	Resistance to fire (for glass for use in a gla declared assem by intended specifically for fire resistance)	and and	51	Munutes		
ndeed	(3)	Reaction to fire	and economic and economic	S hy	Euroclasses		
路庫 the intendeed use	(2)	Elernal fire performance (for roof coverings only)	and and	S hy	Euroclasses		
e th		Salit lin lise –					
# e	(1)	let resistance atter properties and resistance to attac.	and somewhat and somewhat are	-	Classes of convenience		
	(3)	E plosion resistance pact haviour and resistance to attac #	and and	-	Classes of convenience		
	(3)	Ingar resistance Matter properties and resistance to attac II	and Samuel	-	Classes of convenience		
	(7)	Pendulum & dy impact resistance	and and	-	Classes of convenience		
	()	Rechanical resistance Resistance against sudden temperature changes and temperature differentials	and and	-	®and or ∘C		
	(snow permanent and imposed load and imposed loads of the glass unit	and and and	-	mm		
	(1)	Stote Ston a Sainst noise: Street air Sone sound reduction	and and and and	-	d₩		
		Ener Monser Lation and heat retention: -					
	(11)	Mermal properties	and and and	-	2 6 E		
	(1)	Radiation properties: - light transmittance and reflectance	and and	-	Tactions or 1991		
	(1)	- solar energy characteristics	and and	-	actions or 🖫		



D.3.2 System of attestation of conformity for the claimed intended uses - Table ZA.2

Clause ZA.2 of the hEN deals with procedure(s) for the attestation of conformit of the sproducts.

ZA.2 lists the same of attestation of conformit for the intended uses.

Table ZA.2 – System 🖫 f attestation of conformity

Sef So	Foduct 🖫	At ended use \$15	Po Pol Willor class @s Fi	Attestation of conformity system		
(3)		Sor uses in a led assem lentended specifical to provide fire resistance	An 👯	E0 31		
(2)		Her uses su to reaction to fire	Euroclasses A 12 11 0 0 F	E0 2F		
		re lations	Euroclasses A ####	Ē\$		
(P0 2)		Ar uses su set to e sernal fire	Products re 11 rin 12 estin 12	E0 2F		
(Light)	_	performance re Mations	Products "deemed to satisf without testin	E9		
(50 EFF 25 EFF)	All "Less products"	Shr use as anti Hallet Shr anti Hallosion	[58]	E0 31		
(50,600,60 61,600,60 8 629		Shr other uses lia to present "safet h la use" ris and su to such re lations	Es as	Ēģ 2F		
(1351) (2) (33)		The uses relating to ener aconservation and a noise reduction	50 28	Eo 2F		
	uses other than those specified a lave					
	tem the Directive 8 C (CPD) Anne (ii) without audit testin of samples. The Directive 8 C (CPD) Anne (iii) wond possi in the Directive					
	Products Materials that do not regime to Lested for reaction to fire (e. Products Materials of Classes A Saccordin to Commission Decision Lesses amended 2 Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes A Saccordin to Commission Decision Lesses (e. Products Materials of Classes (e. Products Materials					

D.3.3 Assignment of elluation of conformity tasks – Tables ZA.3. To ZA.3.3 See Attachment

Land Section 2A. The detail the assistance of tas tween the manufacturer and the notified to the different states and attestation of conformit these talks materials are ference to the applicate clauses within the help.

The 2 sets out the assistment of tas dependent on the sidem of attestation of conformit sidem.

Figure 2 – Relationship Let Leen At ended Les of Lanu La Lurer and Notified Lod L

Matended lase		nc	TT (Matial tMoetesting)		FEE (Falsor Marodulsion Edntrol) Notified Eartingstion Sod Marodin			設 tion
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. [70]	Sistance to Fire (55 E0		E0 31	E0 31	E0 31	E0 91	E0 21
Sa la lin	Seaction to Fire (SS	3 or 🖺	E0 27	\$33 331	50			
	Elernal Fire Performance (3)	3 or 📳	E0 23	H	S			
	Illet lesistance (55 60		E0 31	E0 31	E0 31	E0 91	E0 31
	Ellosion lesistance (\$5 €¢		**	E0 31	5 1	€0 91	50 31
Sa lit liin lise	Fürglar Besistance (FB)	3		E0 31	E0 31			
Saler Hill Lase	Andulum Ady Apact (3		E0 31	E¢ 31			
	Sistance against Temperature (SS)	3		50	E0 31			
	Sistance against Ind Mow etc (9)	3		E0 31	E0 31			
₩ote¥ion against Noise	Firest airborne sound reduction (3		E6 31	<u>s</u>			
Energii Onser lation and leat letention	Thermal Poperties ()	3		E0	E0 31			
	Ight transmittance leftectance (3		H	5 0			
	■ar energy characteristics (3		5	E0			
Thing else		£0 €0	<u> </u>		E9 51			

🖺 applicable for system of attestation 🔢

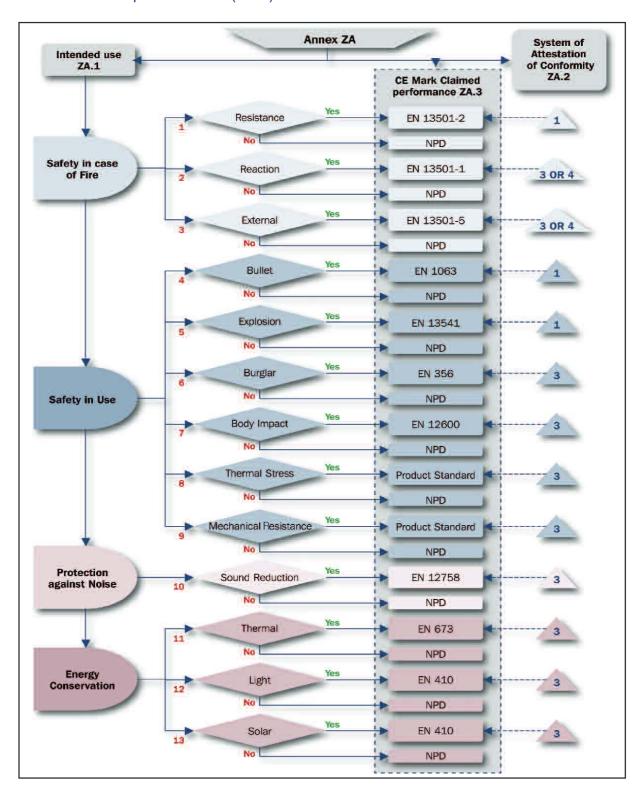
ES Semati SSEr se S

Figure 3 is a diagrammatic representation of the relationship between intended use (Table ZA stem of attestation of conformity (Table ZA stem of attestation of attestation of conformity (Table ZA stem of attestation of atte

The information has been colour coded to tie in with Clause *** able ZA *** he information has also been numbered to tie in with Clause *** able ZA **

This Figure will allow the manufacturer to decide on the way forward for any particular intended use

Figure 3 – Relationship between intended use (ZA.1) system of attestation of Informity (ZA.I) and the Inimed performants (ZA.3)



F Glossary

These definitions have been prepared as a means of assisting understanding of the terms used within a specific hEN.

Godu de Mition (si sissand spe al sissisprodu sonly)

The definition/description as given in the appropriate Part 1 of the standard of the product.

₩odu des iption (br pro sessed produ s)

A document that details the relevant parameters & g. process conditions ructure & c. Fr defining a product that complies with the standard. Includes specific references to characteristics that are modified by the production process.

System des liption (liptinsulatin liptinsulation)

Scription of components and the edge seal of the insulating glass unit in terms relevant to identification and in terms relession vant to edge seal performance on moisture penetration inde seal performance.

Elaluation o lon larmity

The process by which a manufacturer shows that the product is in conformity with the harmonised European and and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in conformity with the harmonised European and the product is in the product in the product in the product in the product is in the product in the product in the product is in the product in the product in the product in the product is in the product in the product in the product in the product is in the product in the product in the product in the product is in the product in the

System o testation o on or mity

Attachment 1: hEN Clause 4 Requirements

Clause 4 Requirements

The major difference between basic glass products and processed glass products, e.g. toughened, laminated, insulating glass units (IIII) are shown below.

- Br basic glass products these are
- determination of the characteristics' performances
- 1.1 characteristics of 'basic glass product'
- 1 determination of the characteristics of 'basic glass product'
- durabilit 🖺
- characteristics other than those listed in 🖫
- dangerous substances
- product description
- conformit with the definition of 'processed glass product'
- determination of the characteristics' performances
- characteristics of 'processed glass product'
- determination of the characteristics of 'processed glass product'
- gg durabilit s
- dangerous substances

E0 6060

The clause numbers are given relative to the h and the t of product (blac for basic products and red for processed products are given relative to the h and the t of products are given relative to the hand the total and the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given relative to the hand the total area of products are given by the product of the products are given by the given by the given by the given

Bongside the clauses is a commentar Balaining what is meant.

Clauses from hEN (basic glasses #others, i.e. processed glass#

4 Requirements

(4.1) Pro loct lescrition

conformit urposes the processed glass product manufacturer is responsible for the preparation and maintenance of the product description. This description shall describe the product and product families.

Disclosure of the product description shall be at the discretion of the processed glass product manufacturer or his agent e bept in the case of regulator the birements.

The description shall contain at least a normative part. The description males ocntain an informative part, when the manufacturer foresees further development of the product.

The normative part of the description shall contain the following minimum information \mathbb{\mathbb{R}}

(Pro Nct grouns Necific)

The definition of product families shall be consistent with the normative part of the product description.

Comments

e definition

Ach product group has details the normative part of the product description



The substitution of materials shall maintain the conformity with the product description. The substituting material can be added to the product family and also the product description when compliance has been demonstrated.

(4.1 or 4.2) Con it with the de Mition o (Fodu Foup spe)

(4.2 or 4.1) Tetermination o the hara eristi per man bs

(4.2.1 or 4.1) Chara Peristi So B (Podu Proup spe)

(4.2.2 or 4.12) Letermination on the Lara Leristi Louis of the glass product's manufacturer wishes to claim that any performance characteristic is independent of the production equipment used then the factory production control system shall be in accordance with this standard including his specific process control conditions.

(4. Sor 4.4) Sura Sit S

Then products conform to the definition of glass products as To or The characteristics' performances in The characteristic

The durability of glass products including their characteristics shall be ensured by the following states of the following sta

Compliance with this standard

ECompliance with instructions from the glass product manufacturer or supplier

The manufacturer shall supply specific installation instructions or male reference to appropriate technical specifications.

(4.4) Chara Feristi other than those in listed in 4.2

(4.5) Ian Ibrous su Ist an Ibs

That erials used in products shall not release any dangerous substances in eless of the mainum permitted levels specified in a relevant European and and for the material or permitted in the national regulations of the sember at the of destination

Boving that the product is the product

howing that the product has the requisite product properties

Imeans of changing from one production plant to another without re sting

Now you meet the 13 mandated characteristics

Instatement that says if the product is made correctly then its wor ing life and those of its characteristics are reasonable

sit a requirement for manufacturers to offer installation instructions

Enly applicable for basic glass products

Iff no interest as the products covered by the 'glass in building' standards do not release these types of substances



Attachment 2: hEN Clause 5 Evaluation of Conformity

5 Evaluation of Conformity

5.1 General

Evaluation of Confor has a accordance with this standard shall be as a result of Factor.

Production Control PC and Initial The Testin 1977 has accordance with this standard.

1 Factor Production control

This shall include the followin

- a Inspection of sa Iples ta In at the factor In accordance with a prescribed test plan II
- bilinitial inspection of the factor and of factor production control
- c Continuous surveillance and assess Cent of the factor Coroduction control.

itial the testin of the product

Note There a need to involve a third part with 1b 1c and or the purpose of reliator 11 ar in 18 se Anne 18 A 18

5.2 Initial ty testing of the buct see 5.1

5.2.1 General

All the product's characteristics shall be initial the tested to verify the fare in confor the with the refunction of this standard. In addition instead of perfor the factual testing initial the testing the standard standard in the testing the standard standard in the standard standard standard in the standard standa

- Referenced standards on publications that are referred to in these standards
- Instandardised calculation in the thods and reconsistence and calculation in the thods in Clause in the calculation in the thods in the calculation in the calculatio
- est report to the basis of the lade available est for the characteristics listed in the lade available est for the
- where components are used whose characteristics have alread been determed by the component conforms with other product standards these characteristics need not be reassessed providing the conforms unchanged by the conforms or conforms with other product standards these characteristics need not be reassessed providing the conforms or conform
- Frelease of dan Frous substances Table assessed indirect Table Controlling the content of the substance concerned Table 1.
- according to this standard

Note 1 Products CE ar Ind in accordance with appropriate har inseed European specifications in the presumed to have the perfor increase stated with the CE in the presument of t

Note There a need to involve a third part for the purpose of reliator Than the Anne Th

The nub of the hBN is the relationship between FPC and ITT.
The FPC follows the Anne And associated Tables A1

The ITT is the sans of provin that the product ets the resident in the Part 1 of the standard as well as determining the performance a sinst the 1 characteristics.

It is i Bortant N BT to confuse ITT with the need to do actual tests. Maues for product characteristics can be obtained in several wa For e Balle B Densit is wen in Malue can be wor and out usin SEN SSS sports of testin \$\mathbb{3}\$ underta an historical Sign SCE Sar Ad co Bonents You Menin Sof float less does not chan its li Mt trans Mttance therefore the inco In Walue can be used.

Dependin on sate of attestation need for involve ent of notified bod



When actual testing is required then the Initial Type Testing (ITT) shall undertaun on a sample representative of the product taun from direct production or a prototype by plant and in line.

Whenever a change occurs in the raw material or the production process (su to the definition of the family) which would change significantly one or more of the characteristics the type tests shall repeated for the appropriate characteristics.

5.2.1.1 Multiple lines ltes

If a manufacturer operates more than one line and of site the following can reduce the requirement for multiple Initial Type Testing (ITT):

- (i) The manufacturers' technical file for a product shall specifically cover all sites and lines of the same manufacturer [1]
- (ii) The manufacturer shall esta is direct relationship ween production control initial type testing and on ining internal audit testing.
- (iii) The manufacturer shall have a responsi individual designated to ensure product compliance seed on it
 - The operation of a consistent actory duction Control system on all applicates sites and fillines to the sites and fillines
 - In the manufacturer having of the inequal evidence that shows the product to the consistent with respect to the product characteristics and intended use characteristics to the consistent to the inequality of th
 - The manufacturer has in place an internal auditing scheme including product consistency.

5.2.1.2 **iii**st ori **iii**dat a

Tests previously performed in accordance with the provisions of this standard (same product same characteristic(s) same or more onerous test method sampling method and attestation of conformity) may set a set into account set in the set at the set at the set of the set at the set at the set of the set at the set of th

- 5.2.2 Atial the testing the production to (Specific production)
- 5.2. Antial the testin mara teristi per man les

Ill characteristics in Ill sull to initial type tests in accordance with Clause 5

5. Seprodution and inspetion of samples in a strain of the the prestited test plan (see 5.1 Ma and Ma)

Extory production control means the permanent internal control of production excised with the manufacturer

elements Requirements and provisions adopted With the manufacturer shall documented in a systematic manner in the form of written policies and

ITT should winderta on samples that relate to the

This clause sets down a method for reducing the num of ITT tests if the manufacturer has numerous lines and of sites.

This method imposes a strict regime on the manufacturer that may hore costly than having an ITT for each line.

This clause is of use if some characteristics have the number determined the ore the help is put the state of the state of

setails will segiven in the future product specific documents

The terms 'manufacturer' and 'producer' are understood as leng synonyms (see C st wor lang document land statement land statement land).



procedures. This production control system documentation shall ensure a common understanding of quality assurance and enable the achievement of the required product characteristics and the effective operation of the production control system to be checked.

Factory production control shall be according to he he he had this standard.

to this standard is deemed to satisfy the requirements of this clause.

Note There may be a need to involve a third party for the purpose of regulatory marking the thine that the same of the same of

manufacturer as part of the production control in the factory and as further testing of samples taken at the factory in accordance in a prescribed test plan. FC for insulating glass units is given in a prescribed test plan.

5.4 Initial inspection of factory and of factory production control (see 5.1, 1c)

The initial inspection of the factory and of the factory production control shall cover the parameters listed in Table 1993 in confinction 1993 in

There may be a need to involve a third party for the purpose of regulatory marking

5.5 Continuous surveillance and assessment of factory production control (see 5.1, 1c)

(T Ta Ta is product group specific).

Note There may be a need to involve a third party for the purpose of regulatory marking the Three Thre

₩e Shne SS

Equirement for a notified certification body for Stem of Intestation 1.

Ference Section F glossary.

This only applies for a product The an intended use requiring a stem of testation 1.

This only applies for a product The an intended use requiring a stem of testation 1.



Attachment 3: hEN Bause Bar Bn Band la Bilin B

####ar Ħn #and la #ellin

Peneral

All voluntary marking and/or labelling shall comply with Annex V

Care shall be taken to ensure that any voluntary marking and/or labelling does not cause confusion with respect to the mandatory retirements.

te All marking and/or labelling of product to demonstrate compliance with the regulatory re incentification and the regulatory residence with the regulatory residence.

Soduct mar Sn S

The glass product shall/shall not be marked ... (Foduct Four specift)

product marking is re lired and the content of the mark

The hE ₩will specify if

Solution of the state of the

he manufacturer or his agent shall organise a system of references that allows for the following:

exactly which characteristics have to be assessed the Clause the Clause that the characteristics have to be assessed the Clause that the characteristics have to be assessed the Clause that the characteristics have to be assessed the Clause that the characteristics have to be assessed the Clause that the characteristics have to be assessed the Clause that the characteristics have to be assessed the Clause that the characteristics have the char

★ Hose characteristics that will be assessed

High the values characteristics at the content of the characteristics at the characteristic

this system shall be documented as part of the evaluation of conformity.

aracteristics per mance identilitation paper"

The manufacturer shall prepare a "characteristics/performance identification paper" based on the information collected on the product characteristics the state of the manufacturers technical file and is the basis for the accompanying information as refured for regulatory purposes.

the "characteristics/performance identification paper" can be a catalogue in any media format paper lisk website act ways identifiable by the reference that accompanies the marking with the product the catalogue shall contain the values or classes of the characteristics for which a performance is declared to performance is declared indication of no performance determined that the product the characteristics for which a performance is declared to performance is declared to indication of no performance determined that the product the characteristics for which a performance is declared to performance is declare

te 1 to conditions of use of the are given in Annex

to the catalogue should not contain any information other than that relevant to the "characteristics/performance identification paper"

manufacturer understands when/where *** can be used ***

Attachment 4: hEN Annex A Factory production control

A.1 Factory Production Control : irement

A.1.1 Eneral

The factory production control system shall consist of procedures, regular inspections and tests and/or assessments and the use of the results to control incoming materials or components, equipment, the production process and the product.

Note to the requirements of this standard is deemed to satisfy the requirements of this standard.

A.1. gani ation

The responsitifity, authority and the interrelation of all personnel to manage, perform and verify the responsition of the interrelation of all personnel to manage, perform and verify the responsition of the interrelation of all personnel to manage, perform and verify the responsition of the interrelation of all personnel to manage, perform and verify the responsition of all pers

a limitiate action to prevent the occurrence of product non limitormity.

and record any product non nformances.

The manufacturer shall appoint a management representative on other responsities, shall have defined authority and responsities, shall have defined authority and responsition for ensuring that the requirements of this standard are implemented and maintained.

A.1. Sanagement re sew

The production control system shall revieured with the manufacturer's management at appropriate intervals in accordance with the manufacturer's documented control system to ensure its continuing suita ity and effectiveness. Cords of such revieureshall maintained for a minimum period of five years.

A.1. SControl System

A.1. 1 meneral

The manufacturer shall esta sh and maintain a documented system as a means of ensuring that the product conforms to the relevant shall fulfilled.

A.1. Per Sonnel

The manufacturer shall use appropriately trained personnel for the operation and inspection of all inspection and production equipment.

manufacturer operates an system and incorporates the specific requirements of this line especially the Talles, then he is deemed to comply. Inot then the manufacturer must comply with all of line including Talles.



A.1. S S mentation

The manufacturer's documentation and procedures shall be relevant to the production and process control of the glass product, and shall be adequately described in a manual which shall include:

- a The organi atructure, responsibilities and authorities of the management with regard to product conformity.
- bithe procedures for specifying and verifying the incoming materials
- c The manufacturing, production control and other techniques, processes and systematic actions that will be used 1911
- d he inspections that will be carried out before production, the inspection and tests during and after production, and the frequency at which they will be carried out
- e paured records of the inspections, tests and assessments
- f to cords of non thonformity situations requiring corrective actions and the actions to the first to the cords of non thousand the actions and the actions to the cords of non thousand the actions are considered to the cords of non-thousand the actions are considered to the cords of non-thousand the actions are considered to the cords of the cords of non-thousand the actions are considered to the cords of non-thousand the actions are considered to the cords of th
- gilless otherwise indicated in national regulations, records must be light for a minimum of one year after manufacturing the product

A.1. 4 Test e ipment

Calibration of test equipment necessary for factory production control shall be documented

Bute: The precision of calibration required is implied by the accuracy of the test method and tolerances specified 3

A.1. \$\mathbb{H}\spe\mathbb{H}\text{ion and testin}\$

Clause street inspections and tests by means of Tables the requirements and records shall be normative street.

Requencies shall be regarded as a minimum frequency

A.2 Sar Sin Si

The manufacturer shall establish, document and maintain procedures for mar ling of the products that be mar lind in accordance with the established documents line.

tracing purposes, the manufacturer shall establish and maintain the records required in Clause

A. I hspe I on and testin I a les o I ass produ I produ I on

A. Si Milimation on Talle(s) A.1 to A Si

Table to tonsists of three parts:

Section 1: Saterial control

#section # soduction control

Section S Soduct control



When a manufacturing process is such that one or more of the listed inspections or tests are not applicable or physically not practical, the concerned inspection or test may be ignored.

The inspections and/or tests on incoming materials shall be carried out before use.

the case of non conforming materials, action shall be taken so that hon conforming rate materials cannot be used hon conforming products cannot be delivered.

The re records in Tables may be any document, e.g. order documents, production documents, logboo contact., as described in the records and associated documentation.

Those criteria Here no record is reliared this situation shall only apply until a complaint regarding that criteria is received. Acords shall subsellently be to show that corrective action has been successful.

The machinery and example manufacturing the products shall be checked at periods consistent the manufacturer's documented process control against defined parameters, maintained and addited for optimal results.

A.3.2 Use of proxy testing

In manufacturer may employ a test method or method of evaluation other than those referred to in the Table (1997)



Attachment 5: hEN Prossions & Bluntar in blement ochhird part lies)

#eneral

A manufacturer may employ third party(ies) for conformity assessment, which may involve a combination of initial type testing, inspection of factory production control, continuous surveillance and auditing of the product. The results of the conformity assessment by the bodies acting for regulators may be used by third party(ies) in carrying out their assigned tas \$\frac{1}{2}\$.

Boluntar * as ** ** third parties

A third party may be voluntarily contracted to perform the initial type testing, inspection of factory production control, continuous surveillance and auditing of the product.

There a third party is voluntarily involved in the evaluation of conformity of the glass products covered by this European and then the assessment shall be in accordance with Clause Evaluation of Conformity in this and and.

A manufacturer may also voluntarily involve a third party in the control of characteristics, e.g. visual aspects, colour, etc., that are over and above the characteristics regulatory purposes.

Bar an Band la Billin B

The format of the label and the position should be agreed between the body involved and the manufacturer.

All mar and and labels of a voluntary nature should be affiled so as not to be confused with those mar and and are labels that are realized for regulatory purposes.

and or labelling associated with the involvement of third party(ies) on a voluntary basis should be accompanied with the following warning this maring abelling has no relationship with any product characteristic covered by any regulatory maring and or labelling.

his Anne whilst drafted as Anne will have differing references depending upon product standard.

be use of a voluntary third party must not ta away from the research from the heart e.g. if the stem of Attestation is then the done by a stiffed asting ody.

third party to cover non tarmonised characteristics is permissible.

The use of voluntary national ality mar must not to a away from the CE mar and must not be confusing.

s details the way to comply with the standard.



Attachment 5: hEN Provisions for voluntary involvement of third party(ies)

Anne (Mormative)

lauses of this European landard addressing provisions of the Eliment in the Elime

🔛 . Kgives the scope of the Annex. Table ZA.1 details the applicable intended uses (essential characteristics) – see 🔢

. Dope and relevant characteristics

This Copean Conducts' and the Copean Communication and the Copean Communication and the Copean Communication.

The clauses of this Tropean standard shown in this Annex Teet the reference of Tandate Tandate

Co spliance In these clauses confers a presu ption of fitness of the glass product characteristics covered being Annex for the intended uses herein reference should be rade to the information according the Companing the Compan

these relations and administrative provisions). Forder to see the provisions of the construction Products Directive these relations and also to be co-positions and short the construction products Directive these relations and also to be co-positions and the construction products Directive these relations and also to be co-positions and the construction products Directive these relations are construction products Directive the construction products Directive these relations are construction products Directive these relations are construction products Directive the construction products Directive the

to 2 An infor Pative database of Paropean and national provisions on dangerous substances is available at http://www.ncpa.eu.int.com/sterprise Construction/sternal Pangsub Cang Pain.ht III

This annex has the sale scope as Clause 1 of this standard to the products covered. Establishes the conditions for the California of glass intended for the use indicated belogand shows the relevant clauses applicable (see Table ZA.1).

Construction Product

Rended uses buildings and construction construction

The relater ent on a certain characteristic is not applicable in those letter enter there are no regulator relatered to that characteristic for the intended end use of the product. This case canufacturers placing their products on the latered of these letter are not obliged to determine nor declare the performance of their products on the latered to this characteristic and the option " Perfor lance Determined" (IPD) in the infor lation accordanting the Color of the latered (IPD) are used. The IPD option latered to be used to lever latered the characteristic is subject to a threshold level

A. Ideals In the step of attestation of confor In In see In Second In able ZA.1.

A. Ideals In assign ent of evaluation of confor In Itas . see In Italian ure 2 and tables ZA. In to ZA. In

Table ZA HASSI In ment of aluation of mit as is in the same and a sistem in the same and the sam

Tas		®ntent o∰he tas⊞	Elauation olion or mit la
	Factory Production Control (FPC)	Parameters related to all relevant characteristics of Table Z	33
Tasks for the	Further testin of sames taken at factory	Ill relevant characteristics of Table Z	Mine MB
manufacturer	Matial ty Latestin R	relevant characteristics of Table Z	122
	Matial ty Lestin 18	Sistance to fire Particular States St	2
Tasks for the notified body	Matial ins Action of factory and FPC	Parameters related to all relevant characteristics of Table Z ticular	(利用な 株式を
	Continuous sur veillance sassessment and a savval of FPC	Parameters related to all relevant characteristics of Table Z Table Ticular Table Z Table Ticular Table Table Ticular Table Ta	

Table ZA Bar Assishment of aluation of an armit as as armit as as products under statem

Tas		®ntent o the tas ⊞	Elauation ola namita auses to appl
Tasks for the	Factory Moduction control (FPC)	Parameters related to all relevant characteristics of Table Z	82
manufacturer	Matial ty Latestin 12	other relevant characteristics of Table Z the other than those shown below	2
Tasks for the notified body	Matial ty Lestin 12	Peaction to fire Furoclasses Firnal fire Performance Fir resistance Pendulum body im Pot resistance Frect airborne sound insulation Thermal Potenties Adiation P	22



Table ZA.3.3 – Assignment of evaluation of conformity tasks for glass products under system 4

Tasks		ು ntent of t⊞ task	Evaluation of conformity clauses to apply
Tasks for the	Factory Production Control (FPC.)	Parameters related to all relevant characteristics of Table Z	Ed to 25 Be
manufacturer	Mitial ty Matestin 19	Reaction to fire Paroclasses RESE Table Z	152

ZA.2.2 E rtificate and claration of nformity

case of products under system hen comhance the the conditions of this here is achieved the certification body shall dra use certificate of conformity (See Certificate of Conformity) ich entitles the manufacturer to affishe Conformity inches certificate shall include the conformity of the certificate shall include the conformity of the conformity of the conformity of the certificate shall include the certificate shall include the certificate shall include the certificate shall include the certificate of conformity of the certificate of certificate

Iname Address and identification number of the certification body

descrition of the duct (ty le identification like dtc.)

sovisions to standard)

The stricular conditions a straight to the use of the stricular conditions a stricular conditions at the stricular

the number of the certificate

sconditions and brieflined of validity of the certificate there a cable state.

Iname of and sition held by the serson em to site the certificate.

Maddition the manufacturer shall dra Bu Ma declaration of conformity (Declaration of Conformity) includin the follo in the manufacturer shall dra Bu Maddition the ma

In the manufacturer of the manufacturer of his authorised research active established in the

Iname and address of the certification body

description of the # duct (ty # Hentification & # description accompanyin the C # description accompanyin # description # description accompanyin # description # descri

markin 鑦

sovisions to shich the soduct conforms (i.e. shoe 2 sof this standard)

atticular conditions a sacable to the use of the soduct (e. sale visions for use under certain conditions sale.)

humber of the accom hyin to Certificate of Conformity

Is name of and sition held by the son em to site the declaration on behalf of the manufacturer or of his authorised resentative.

Case of products under system 3 then com nance of the conditions of this one is achieved the manufacturer or his a one established in the stablished in the conformity of conformity of conformity) which entitles the manufacturer to affilishe Conformity of conformity.

In name and address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the manufacturer of his authorised releasentative established in the seemed address of the seemed address of his authorised releasentative established in the seemed address of the see

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If we ticular conditions a state to the use of the woduct to t

name and address of the notified laboratory(ies)

Is name of and sistion held by the serson em serson em to sighthe declaration on behalf of the manufacturer or his authorised resentative.

Evaluation of Conformity as laid down in the harmonised European Standards (hENs)

In case of products under state em 4: When compliance with this Annex is achieved, the manufacturer or his agent established in the EA shall prepare and retain a declaration of conformity (EC sectoration of conformity) which entitles the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking this declaration shall include the manufacturer to affix the CE marking the manufacturer to affix the manufacturer

- In the ⊞A, and place of production III
- Indescription of the product (type, identification, use, and a copy of the information accompanying the CE mar and and another companying the CE mar and another companying the CE market companying the CE
- B provisions to which the product conforms (i BAnnex A of this E 5 2 BB)
- Barticular conditions applicable to the use of the product (e hovisions for use under certain conditions, etc
- In the manufacturer or of his authorised representative.

te plication of information between the declaration and certificate should be avoided voided voided formation of information, cross reference between documents may be made when one contains more information than the other

The above mentioned declaration and certificate shall be presented in the official language or languages of the Tember Tate in which the product is to be used.

mar ∰n #and la #ellin

The manufacturer or his authorised representative established within the EEA is responsible for the affixing of the CE mar ing symbol to be affixed shall be in accordance with in accor

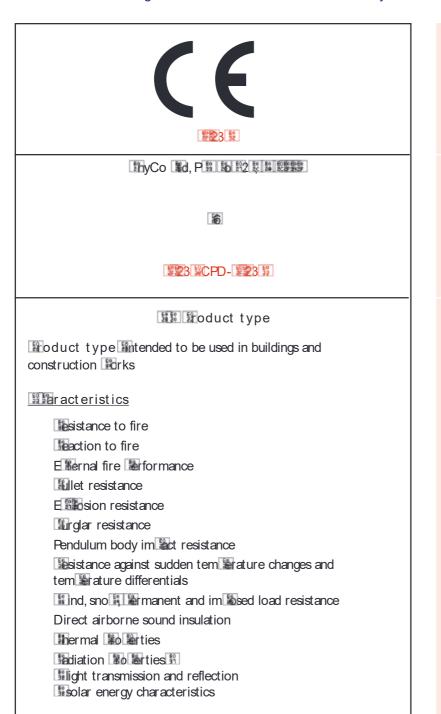
- indentification number of the certification body (only for products under systems
- In the name or identifying mar and registered address of the producer
- In humber of the EC Certificate of conformity or factory production control certificate (if relevant
- #description of the product heneric name, material, dimensions, ... and intended use
- Hinformation on those relevant essential characteristics listed in table Mahwhich are to be declared presented as 12
- declared values and, where relevant, level or class (including "pass" for pass and resulting the same of the
- 🖺 as an alternative, standard designation(s 🖺 one or in combination with declared values as above, and 🖺
 - "By performance determined" for characteristics where this is relevant

The "Bo Set formance Set ermined" (See Seption may not be used where the characteristic is subsect to a threshold level set to a threshold level s

Rigure Rigives an example of the information to be given on the product, label, packing and in commercial documents



Table ZA.3.3 – Assignment of evaluation of conformity tasks for glass products under system 4



CE conformity marking, consisting of the CE-symbol given in directive 93

mentification number of the certification body where relevant with the certification body where relevant with the certification body where relevant with the certification body where the certification body with the certification body where the certification body where the certification body with the certification body where the certification body where the certification body with the certification body where the certification between the certification body where the certification between the certification between

Mane or identifying mark and registered address of the boducer

Last t digits of the year in chich the marking last affilled

Certificate number ere relevant

So of Euro San Sandard

Descrition of soduct and information on regulated characteristics

See Sole Stream of Source 3 Stream of Sou

Soure E E marking information

[A] and [III] only applicable for products claiming essential claracteristics that remire a stem of Attestation IIIIe. fire resistance fullet resistance for products claiming essential claracteristics that remire a stem of Attestation IIIIe.

Attachment 7: We lite addresses lit the E 25 standardisation libdies

™ untr ®	National ﷺ d	Maternet SalSe
Austria	Österreichisches Normungsinstitut (ON)	http://www.bn.flormatic
Egium	IBBN (BEER)	http 🕷ww 🛤 🛎
Cyprus	Cyprus Organisation for the Momotion of Muality (CM)	http www2 bytanet bbm by bys
Cach lepu lic	Clach Landards Institute (CINI)	http www.eshi & 1
enmar 🖺	Sanish Sandards (SS)	http
Estonia	Eesti Kandardi & As (E 11)	http www.evs.ee
and	inish Kandards Association ()	http www.ss 11
₩ance	Association Mançaise de Normalisation (A NO)	http www anor file
Germany	Seutsches listitut für Normung (SEN)	http www.din de
Freece	Ellenic Organi ation for Mandardi ation (E 10 1)	http www.dot # #
angary	Ragyar Manyügyi Matület (MMM)	http www.ms in I
Fel and	National Sandards Authority of Mand (N.A.)	http www.nsai @ #
fay	Na librale faliano di librifica libre (lin lib	http 🕷ww 🛍 i 🗞 m
Via	Satvian Sandard (SSS)	http 🕷ww 🕦 🗈
% huania	Thuanian Candards Card (Casa)	http 🚟 ww 🕅 🕱
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l'alta	Salta Sandards Authority (SSA)	http www msa arg mt
Netherlands	Nederlands Normalisatie Mistituut (NEN)	http www.nen a
% land	Solish Committee for Sandardi Stion (SN)	http
1 5 rtugal	instituto in tuguês da inalidade(ins)	http://www.ib.ibi
abva a	Tova Flandards Astitute (FIII)	http://www.sitn.govss
venia	Novenian Matitute for Mandardi Mation ()	http www.sst &
S ain	Asociación Española de Normali ación y Certificación (AENO 🗿	http://www.senor
Weden	Medish Candards Astitute ()	http www.ss &
E6 E0 32 35	Etitish Bandards Mistitute (ES)	http www sigo si com si





Glass and Glazing Federation 40 Rushworth Street, London, SE1 0RB 020 7939 9101 info@ggf.org.uk www.ggf.org.uk