

Domestic Type Approval Certificate

Certificate No: **STAS/23/044/DM136/01**

Date: **3 April 2023**

A Certificate Holder:

Applicant: Spiral Cellars Limited
The Studio at 7 Devas Road,
Wimbledon,
SW20 8PD

Contact E-mail: **mark.down@spiralcellars.com** Tel: **07850 649682**

B Scope of Approval

Spiral Wine Cellar in a Domestic Building

The application is for a spiral wine cellar system. The cellar is a watertight, pre-cast cylindrical system that is sunk into the ground below the internal floor level. The cellar is naturally ventilated via a passive system; this is provided by two pipes which will run to the external walls of the property.

C Conditions of Approval:

Validity and Scope

1. That the specifications and materials referred to have been assessed in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which came into force from 1 February 2023.
2. That where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this Approval Certificate.
3. That the supporting drawing details and the materials specified shall not be changed without first gaining approval so to do from Local Authority Building Standards Scotland [LABSS]. Failure to do so will invalidate the Approval Certificate.
4. That the Approval Certificate shall remain valid unless invalidated by formal notice by LABSS.
5. This Approval Certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005
6. That this Approval Certificate shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended. This Approval Certificate shall be read with the Limitations of Use Sections C7 to C12 to this Appraisal Certificate.

Limitations of use

Structure

7. Statement of structural adequacy provided by Elite Designers Ltd Job No. 2021-127 dated 27 February 2023 for the cellar construction only.
8. Site specific elements not included in the elements specified here under Section C7 and not included in the supporting drawings, specifications and supporting literature are out with the scope of this Approval Certificate and this would require either SER certification or structural calculations as deemed appropriate by the verifier. For example, the cellar cannot be closer than 150mm to a foundation unless stipulated in the structural drawings and the cellar cannot take loads of more than 150KN unless specified in the drawings.

Safety in Use

9. That the Ministerial Relaxation reference number R2015/4 – A13974586 dated 11 April 2016 shall be taken cognisance of when installing site-specific installations under a building warrant.
10. That the supporting information applying to the relaxation decision, as detailed in Section F below shall be taken cognisance of when installing site-specific installations under a building warrant.

Testing and Accreditation

11. That the products used as components of the system shall be manufactured and installed strictly in accordance with the manufacturer's instructions, in accordance with the certificate holder's instructions and fully in accordance with the accredited certification and supporting test reports.
12. That this Approval Certificate is issued in the knowledge that the materials specified shall contribute to compliance with Mandatory Standards 1.1, 3.2, 3.4, 3.15, 4.3, 4.4, 4.5, 4.6, and 6.2 of the Building (Scotland) Regulations 2004 when read with the accompanying certificates and associated test reports – see Sections E, F and G below.
13. **Design Life:** (per BS 7543 – Durability of buildings and building elements, products and components)

Category of building design life =	30 years
Design life of primary building envelope	30 years

E	Drawing Number:	Description:
	Design Drawings	
	690 L/01G – May 2017	Concrete Floor – Plans and Sections
	690 L/02G – May 2017	Timber Floor – Plans and Sections
	690 L/03G – May 2017	Beam & Block Floor – Plans and Sections
	Pivot position Numbers	Details
	SK03 – 21.2.2013	Step reinforcement

F	Certification Documents	
		Statement of structural adequacy provided by Elite Designers Ltd Job No. 2021-127 dated 27 February 2023 for the cellar construction only.
		Ministerial Relaxation reference number R2015/4 – A13974586 dated 11 April 2016
		GP TITANBOND BBA Certificate 18/5581 – issued 23 October 2018

G	Specification	Description
	All in accordance with the supporting design drawings listed under Section E above.	
	STAS Lead Authority Document	STAS Spiral Wine Cellars - check list 18.04.2017
	Linak Product Data Sheet - LA28	Linear Actuator LA28 Data Sheet1
	GP TITANBOND	Manufacturers Literature pages 1 -33
	Iso Mesh Gritted Fibreglass Grating Data Sheet	Product Information Sheet
	Fibreglass Grating	Load deflection tables Dec 2010
	Fibreglass Grating	Moulded Spec
	3670 SC Datasheets	Block & beam 02.07.12
	690 - STAS12044ST23 - Spiral Cellar Access Door A	Thermal value calculations – 25 March 2013
	Rectangular Door Calculations	Calculation of the loads and stresses through hinge pivot pins

H	Authority:	
	This Certificate consisting of 2 pages is authorised by the Building Standards Hub:	
	Dated: 3 April 2023	