Certificate of approval

Certificate number AC100.2

This is to certify that Knauf Insulation Pty Ltd has carried out the certification of Knauf Insulation Glasswool Insulation in accordance with the Certifire Australia scheme rules document for the certification of passive fire protection products – ATS00. The product has been assessed against the requirements of Technical Schedule ATS11 and is approved for use as a non-combustible product subject to the conditions outlined in this document.

Knauf Insulation Pty Ltd

23 Corporate Drive, Cannon Hill, 4170, Brisbane

Certified product	Technical schedule	Approved test standard
Knauf Insulation Glasswool Insulation See Table 3 and Table 4 for approved rebranded product names	**ATS11**	**AS 1530.1:1994 (R2016)**

Signed on behalf of Warringtonfire Australia

Chad McLean
Certification manager - Australia

Original issue date	18 May 2022
Reissued date	21 December 2022
Certificate valid to	17 May 2027

This certificate is the property of Warringtonfire Australia
ABN: 81 050 241 524 Address: 409-411 Hammond Rd, Dandenong VIC 3175 Australia

1. Introduction

This certificate of approval relates to the use of Knauf Insulation Glasswool Insulation products. The products have been assessed against the requirements of Technical Schedule ATS11 and are approved for use as a non-combustible product. The resulting scope of certification has been deemed to satisfy the requirements of AS 1530.1:1994 (R2016) and has shown a reaction to fire performance considered as non-combustible.

The detailed scope is given in the tables in the approval matrix in section 2 of this certificate. These show the approved range of products and limitations.

The product is approved based on satisfying the requirements in Table 1 and the factory production control (FPC) audits carried out for each location where the product is manufactured for the Australian market. The audit report for each location has been prepared and is retained in a confidential file by Warringtonfire Australia. General details are provided in Table 2.

This approval relates to the ongoing production of Knauf Insulation Glasswool Insulation. The product and/or its immediate packaging are identified with the manufacturer's name, the product name or number, the Certifire Australia name, or the Certifire Australia name and mark – together with the Certifire Australia certificate number and application, where appropriate. The product is only deemed certified if it carries these details. Further details of product installation can be provided as applicable.

All work and services carried out by Warringtonfire Australia are subject to, and conducted in accordance with, our standard terms and conditions. These are available on request or at https://www.element.com/terms/terms-and-conditions.

Table 1 Basis of evidence

Evidence	Comments
Evidence of relevant testing provided.	Yes See Appendix A
Testing carried out within the last 5 years to validate ongoing quality and performance of the product.	Yes
Independent sampling of tested products for traceability.	Yes
Batch number confirmed.	Yes
The requirements of technical schedule ATS11 met.	Yes
The manufacturing facilities are accredited to ISO 9001:2015.	Yes
Satisfactory inspection and surveillance of factory production control (FPC).	Yes

Table 2 FPC audit

Item	Detail
Audit company	Global-Mark
Audit objectives	The objective of the audit is to: • determine the conformity of the applicant's management system, or parts of it, with audit criteria • determine the ability of the management system to ensure the client meets applicable contractual requirements • determine the effectiveness of the management system to ensure the applicant can reasonably expect to achieve their specified objectives • determine adequate process control of product manufacturing

Signed Issued 18 May 2022 Valid to 17 May 2027

This certificate is the property of Warringtonfire Australia

Item	Detail		
	• as applicable, identify areas for potential improvement in the management system.		
Location	1	2	3
Date of inspection	19 April 2022	21 April 2022	8 November 2022
Outcome	All FPC audits satisfied the requirements of the Certifire scheme.		

2. Formal scope of certification

General information about systems

The proposed products include various Knauf Insulation Glasswool Insulation products consisting of ECOSE Technology binder as well as unaired glasswool. Both Glasswool Insulation made with ECOSE Technology and Glasswool blow-in insulation products are assessed.

Approval matrix

Table 3 Knauf Insulation Glasswool Insulation

Item	Approved system	Performance
Density	Density may range between 7 – 38 kg/m^3.	Not deemed combustible in accordance with AS 1530.1:1994 (R2016)
Binder type and content	The binder type is to be the same as tested – ECOSE Technology. The percentage of binder may be up to 8%.	
Added technologies	Manufactured with or without DriTherm Technology.	
Rebranded product names for Earthwool and Glasswool products	Knauf Insulation Glasswool Insulation products conforming to the above limits may be rebranded as follows: • Earthwool – ECOSE Technology • Earthwool Glasswool – with ECOSE and DriTherm Technology • EcoInsulation – with ECOSE and DriTherm Technology • Knauf Insulation Acoustic – with ECOSE Technology	

Table 4 Knauf Insulation Glasswool Insulation – Blow-in

Item	Approved system	Performance
Density	Density may range between 7 – 38 kg/m^3.	Not deemed combustible in accordance with AS 1530.1:1994 (R2016)
Added technologies	May be manufactured with or without DriTherm technology.	
Rebranded product names for blow-in Glasswool products	Knauf Insulation Glasswool blow-in Insulation products conforming to the above limits may be rebranded as Supafil blow-in insulation as follows: • Supafil Loft • Supafil Frame • Supafil Carbon Plus	

3. Direct field of application

The products described in this certificate are only applicable to applications requiring non-combustible materials and do not address any other characteristics of mineral fibre such as durability, thermal conductivity, water absorption, and so on.

4. Requirements

This certificate details technical assessment outcomes based on test evidence, with variations to the products described here-in in accordance with the requirements defined in ATS11.

Any further variations with respect to size, density, binder or any other conditions not identified in this certificate, may invalidate the conclusions drawn in this report.

5. Accreditation

The Certifire product certification scheme operated by Warringtonfire Australia has been endorsed by JAS-ANZ as being suitable for issuing JAS-ANZ accredited certification by conforming to assessment bodies accredited to the scheme by JAS-ANZ. The Certifire scheme is currently in the process of gaining full accreditation under JAS-ANZ.

6. Validity

Warringtonfire Australia does not endorse the tested or assessed product in any way. The conclusions of the results in this certificate may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.

Due to the nature of fire testing and the consequent difficulty in quantifying the uncertainty of measurement, it is not possible to provide a stated degree of accuracy. The inherent variability in test procedures, materials and methods of construction, and installation may lead to variations in performance between elements of similar construction.

The applicant has requested product certification for the specified product under the Certifire scheme for their own purposes, and this certificate has been prepared to meet the requirements of the relevant product technical schedule and any disclosed and agreed objectives reflected in the fee proposal. This certificate may be used as evidence of suitability in accordance with the requirements of the relevant National Construction Code. However, Warringtonfire Australia cannot guarantee the following:

- Whether it will be accepted by the relevant building authorities and/or any other relevant parties.
- The suitability of the system(s) for a specific installation. This must be determined by the installer, builder and/or relevant building authority.

Signed Issued 18 May 2022 Valid to 17 May 2027

This certificate is the property of Warringtonfire Australia

7. Authority

Applicant undertakings and conditions of use

Knauf Insulation Pty Ltd confirms that:

- To their knowledge, the component or element of structure, which is the subject of the assessed results within this certificate, has not been subjected to a fire test to the standard against which the certification of this product is being made.
- They agree to withdraw this certificate from circulation should the component or element of a structure be the subject of a fire test by a test authority in accordance with the standard against which the assessed results are being made and the results be in disagreement with this certificate.
- They are not aware of any information that could adversely affect the conclusions of the results in this certificate and if they subsequently become aware of any such information, they agree to ask the assessing authority to withdraw the assessment and subsequent product certificate.

General conditions of use

This certificate may only be reproduced in full without modifications by the report sponsor. Copies, extracts or abridgments of this certificate in any form must not be published by other organisations or individuals without the permission of Warringtonfire Australia Pty Ltd.

Signed Issued 18 May 2022 Valid to 17 May 2027

This certificate is the property of Warringtonfire Australia

Appendix A Overview of test / assessment evidence

Table 5 and Table 6 outlines all the reaction to fire test and assessment evidence that form the basis of approval for the scope outlined in this certificate.

Table 5 Test evidence

Number	Test report number	Original tested standard
1	RTF200259 R1.1	AS 1530.1:1994
2	RTF200098 R1.0	
3	RTF200099 R1.0	
4	RTF200100.1	
5	56297900a.1	
6	56297900b.1	
7	RTF210491 R1.0	
8	311313	EN ISO 1182:2010
9	FTST20793	EN ISO 1182:2020
10	RTF190136 R1.0	AS 1530.1:1994

Table 6 Assessment evidence

Number	Assessment report number	Assessment standard
1	FAS200506 R1.0	AS 1530.1:1994

This certificate is the property of Warringtonfire Australia