

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Tilcor Shingle roofing sheet

Description of Product

This is an assessment of the Tilcor Shingle Roofing system manufactured by Ross Roof Group Ltd. This roofing sheet has been approved for use in Europe following testing in Poland but the product also carries extensive international test data and approval.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Safety in Use
- Protection against noise
- Durability serviceability and identification

Validity

This certificate was first issued on 8th March 2016 and is valid until 8th March 2020.

Issue Dated 26th January 2017

Scope of Registration

The Tilcor Shingle Roofing system has been subjected to international testing bodies and also for use in Europe by the Building Research Institute of Poland: test report no. LM00-00869/14/Z00NM.

The system is internationally compliant for wind loading, moisture penetration, corrosion resistance and surface spread of flame, tests have just been commissioned for specific UK analysis and compliance with BS EN codes.

The system can be installed over a plywood sarking board or over a timber roofing batten arrangement.

Conditions of Certificate

The roofing sheet must be appropriate for the roof pitch, reference should be made to Tilcor data material for required minimum roof pitches and fixing details and if deemed necessary further checks made direct with the manufacturer.

| Name | Panel Length | Length of Cover | Panel Width | Width of Cover | Roof Cover/ Tile | Tiles/M2 | Weight/ Tile | Weight/ M2 | Min. Roof Pitch degrees |
|---------|--------------|-----------------|-------------|----------------|------------------|----------|--------------|------------|-------------------------|
| Shingle | 1340mm | 1250mm | 290mm | 255mm | 0.32 | 3.2 | 2.0kg | 6.40kg | 10 |

For Scotland purposes:

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 with effect from 1 October 2015.

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 Registered Detail.

The materials specified shall be for purposes of this Registered Detail and should not be changed without first gaining approval so to do from Local Authority Building Standards Scotland [LABSS]. Failure to do so will invalidate the Registered Detail.

The Registered Detail shall be valid for a period of 12 months from the date of issue or until otherwise invalidated by formal notice by LABSS. The Registered Detail may be re-validated after 12 months following a request and payment of an annual renewal fee from the Registered Detail Holder.

This Registered Detail 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

This Registered Detail shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the scope, conditions and regulations sections to this Registered Detail.



LABC and LABSS consider that, the Tilcor Shingle roofing sheet will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;

The Building Regulations 2010 (as amended) England & Wales

| | |
|--------------|--|
| Regulation 7 | Materials and workmanship |
| Comment: | The product is acceptable |
| AD B | Fire Safety |
| Note: | The product is acceptable |
| AD C | Site preparation and resistance to contaminants and moisture |
| Note: | The product is acceptable |



The Building Regulations 2010 (as amended) England

None presently



The Building Regulations 2010 (as amended) Wales

None presently



The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks Domestic and Non-Domestic

| | |
|------------------------|---|
| Regulation 8 | Durability, workmanship and fitness of materials |
| 0.8.5: | Ways of establishing the fitness of materials |
| Regulation 9 | Building Standards applicable to construction |
| Note: | Construction shall be carried out so that the work complies with the applicable requirements of schedule 5. |
| Mandatory Standard 1.1 | Structure |
| Note: | The system is acceptable in a new build installation, subject to a structural assessment in a holistic building assessment. The system is acceptable when fitted as a replacement roof to an existing building, subject to a structural assessment covering the existing building in a |

| | | |
|---------------|------------------------------------|---|
| | | holistic building assessment comprising the existing building and new roof. |
| Mandatory | | |
| Standard 2.1 | Compartmentation | |
| Mandatory | | |
| Standard 2.2 | Separation | |
| Note: | | The system is acceptable provided it is constructed in accordance with the manufacturer's details. |
| Mandatory | | |
| Standard 2.8 | Spread from neighbouring buildings | |
| Note: | | The system is acceptable provided it is constructed in accordance with the manufacturer's details. |
| Mandatory | | |
| Standard 3.10 | Precipitation | |
| Note: | | The system is acceptable provided it is constructed in accordance with the manufacturer's details and by an accredited contractor. |
| Mandatory | | |
| Standard 3.15 | Condensation | |
| Note: | | The risk of interstitial condensation needs to be assessed in each case and condensation control should be in accordance with the recommendations in BS5250: 2002. |
| Mandatory | | |
| Standard 4.8 | Danger from accidents | |
| Note: | | Clause 4.8.8 A Clear visible warning sign may require to be provided should any part of the roof be not capable of bearing a concentrated load of 0.9KN on a 130 by 130mm square. The relevant hazard sign from BS 5499: Part 5: 2002 should be used. |

Non-Regulatory Information



LABC Warranty

The use of the Tilcor Shingle roofing sheet has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

ITB Test Report 17th May 2014 and certificate of conformity received from Poland for the testing and compliance with EN 14782:2008

SOI-R Skin Class B Fire Test for compliance with the applicable requirements of: ASTM E108 (2011) "Standard Test Methods for Fire Tests of Roof Coverings."

USA Accelerated Weather test

USA Salt Fog test

Japanese Shingle Water Resistance Test

Japanese Wind Uplift Test

Japanese Stone Coating Test

Japanese Paint Inspection and Testing Association Western Branch Laboratory, test report No. 095364 31st March 2010 Evaluations

Blistering: JIS K 5600-8-2: 2008 designation of degree of blistering

Cracking: JIS K 5600-8-4: 1999 designation of degree of cracking without preferential direction

Flaking: JIS K 5600-8-5: 1999 designation of degree of flaking without preferential direction

Chalking: JIS K 5600-8-6: 1999 Rating of degree of chalking

Change of Colour: JIS K 5600-4-3: 1999 Visual comparison of the colour paints

Tilcor UL Report

UL Fire TFX.R38401 Prepared Roof Covering

ITB Fire Test English

BRE Test Report: P104549-1000 Issue: 3 Dated 27th October 2016

Contact Information

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