

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

Res-Tec GRP Roof 1010 System

Description of Product

This is an assessment of Res-Tec GRP Roof 1010 System used for waterproofing of roofs, balconies and walkways.

The System consists of GRP Roof 1010 Base Coat Resin and Chopped Strand (CSM) Fibreglass Reinforcement Roll / Taping Mat applied insitu over a good quality OSB3 deck. The roof is finished with pre formed GRP edge trims and a GRP 1010 Top Coat.



Key Factors Assessed

- ☐ Safety in case of Fire
- ☐ Health, Hygiene and Environmental
- ☐ Safety in Use
- ☐ Energy Economy and heat retention
- ☐ Durability serviceability and identification

Validity

This certificate was first issued on 11th July 2016 and is valid until 11th October 2020

Issue Dated 5th August 2020

Scope of Registration

Res-Tec will provide a detailed application manual and offer certified training to Installers.

A 20 year materials guarantee between Res-Tec and the installer is provided, subject to terms and conditions.

The Res-Tec GRP Roof 1010 System relies on other construction products, materials and components to form a complete roof, balcony or walkway; overall compliance will therefore be dependent on final specification.

The Res-Tec GRP Roof 1010 System is fully bonded to the roof substrate and should resist wind suction likely to occur, provided the timber substrate is adequately fixed to the roof structure.

The GRP roof system is intended for use on flat, zero-pitched (subject to correct drainage points) or pitched roofs with limited access and internal gutters in warm, cold, inverted or green roof (subject to appropriate structural deck and drainage) specifications. A Non-slip coating is available for use on verandas, terraces and walkways on flat roofs.

For Scotland purposes:

The assessment under the Building (Scotland) Regulations 2004 looked at the following key factors:

- Durability, workmanship and fitness of materials
- Fire Spread from neighbouring buildings
- Precipitation

Conditions of Certificate

Site specific construction details will be required.

The products must be installed in accordance with the Res-Tec GRP Roof 1010 specifications and application manual.

Adequate provision shall be made for rainwater to be carried from the roof of the building.

The containers should be protected from extremes of temperature in storage and especially just before use.

The base boards must be completely dry before application.

Do not start installation in wet conditions or if rain is likely.

Installation should only be carried out when the temperature is above 5° C air and below 30° C.

For best results the top coat should be applied in cool overcast conditions – avoiding direct sunlight if possible.

Good practice for all membrane and liquid-applied roofing systems recommends regular inspections to ensure the roof and its drainage points are kept clear.

For Scotland purposes:

The specifications and materials referred to have been assessed and approved 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 July 2017.

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 the Registered Detail.

The materials specified shall not be changed without first gaining approval so to do. Failure to do so will invalidate the Registered Detail.

The 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

The Registered Detail shall contribute to compliance with relevant Mandatory Standards specified under the Building (Scotland) Regulations 2004 as amended when read with the Scope and Conditions of certification sections to this Registered Detail.



LABC and LABSS consider that, GRP Roof 1010 System 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
Note:	The system is acceptable.
AD B	Fire Safety
Note:	The system can contribute to satisfying this Regulation.
AD C	Site Preparation and Resistance to Contaminants and Moisture
Note:	The system can contribute to satisfying this Regulation.
AD H	Drainage and Waste Disposal
Note:	The system can contribute to satisfying this Regulation.
AD L	Conservation of fuel and power
Note:	The system can contribute to satisfying this Regulation.
AD M	Access to and Use of Buildings
Note:	The system can contribute to satisfying this Regulation.



The Building Regulations 2010 (as amended) England

AD B	Fire Safety
Note:	The system can contribute to satisfying this Regulation.
AD L1A	Conservation of fuel and power
Note:	The system can contribute to satisfying this Regulation.



The Building Regulations 2010 (as amended) Wales

AD B	Fire Safety
Note:	The system can contribute to satisfying this Regulation.
AD L1A	Conservation of fuel and power
Note:	The system can contribute to satisfying this Regulation.



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 2.8 Spread from neighbouring buildings
2.8.1 Roof coverings
Note: The system is acceptable provided it is constructed in accordance with the manufacturer's details.

Mandatory
Standard 3.10: Precipitation
3.10.1 General provisions
3.10.8 Roof constructions (pitched)
Note: The system is acceptable provided it is constructed in accordance with the manufacturer's details and by an accredited contractor.

Non-Regulatory Information



LABC Warranty

The use of the GRP Roof 1010 System 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

BS 476 Pt 3 Report (Exova Warringtonfire - Ref: 348167)

DD CEN/TS 1187 2012 Test 4 (Exova Warringtonfire - Ref: 348168)

EN 13501-5 T4 class report (Exova Warringtonfire – Ref: WF 348385)

BS EN 1928 : 2000 Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of watertightness (BBA Test Report 58836)

BS EN ISO 9001 : 2008 Quality Management Systems (BBA Certificate 11/Q021)

EN ISO 14001 : 2004 Environmental Management Systems - (BBA Certificate 11/E009)

Acetone CLP MSDS (Issue 1)

Additional safety note for use of Res-Tec 1010 basecoat accelerator

GRP Roof 1010 Accelerator CLP MSDS (Issue 3)

GRP Roof 1010 Base Coat CLP MSDS (Issue 3)

GRP Roof 1010 Catalyst CLP MSDS (Issue 1)

GRP Roof 1010 Top Coat CLP MSDS (Issue 3)

Res-Tec GRP Roof 1010 Glossary

GRP Roof 1010 Technical Datasheets

GRP Roof 1010 Application Manual (Dec 2014)

GRP Roof 1010 Guarantee (Mar 2015)

GRP Roof 1010 Demonstrations & Training Proposal

GRP Roof 1010 Training Presentation (Sep 2015)

GRP Roof 1010 Training Certificate (Mar 2015)

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