



# Certificate No: EWS816



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

## Tuff Waterproofing Ltd - TuffStuff GRP Flat Roof System

### Description of Product

This is an assessment of TuffStuff GRP Flat Roof System, a wet laid single ply GRP laminate made up of two layers of base coat resin sandwiching a layer glass fibre reinforcing mat. It is applied to a good quality new OSB3 or WBP plywood deck (18/25mm). Profiled GRP edge trims are applied to the roof edges and abutments and the roof is finished with a coat of coloured top coat resin. Can be used on balconies and walkways.

A 25 year product warranty is offered to TuffStuff stockists and contractors, subject to terms and conditions.

Individual and group training sessions are available to installers. Installation Manuals and DVDs are available from all TuffStuff Stockists. Technical support available 24/7 to all installers.



### 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 13<sup>th</sup> January 2017 and is valid until 13<sup>th</sup> January 2021

Issue Dated 3<sup>rd</sup> January 2018

## Scope of Registration

The TuffStuff GRP Flat Roof 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 TuffStuff GRP Flat Roof 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.

A GRP flat roof can be configured to satisfy cold roof or warm roof specifications

A Non-Slip coating is available for balconies and walkways.

For Scotland purposes:

Cold flat roof constructions are not acceptable in Scotland.

## Conditions of Certificate

Site specific construction details will be required.

The products must be installed in accordance with the TuffStuff Installation guide.

For Scotland purposes:

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.

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 October 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 this 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. It supports the site-specific building warrant submission required in every case.



LABC and LABSS consider that, TuffStuff GRP Flat Roof 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 can contribute to meeting this requirement.
AD B	Fire Safety
Note:	The system is acceptable.
AD C	Resistance to Moisture
Note:	The system is acceptable.
AD H	Drainage and Waste Disposal
Note:	Adequate provision shall be made for rainwater to be carried from the roof of the building.
AD L	Conservation of Fuel and Power
Note:	The system can form part of a roof construction to meet Part L. The thermal insulation performance of the system should be considered in the context of the contribution made to the overall performance of the roof structure.
AD M	Access to and Use of Buildings
Note:	Textured non-slip finish is available for balcony / walkways subject to light foot traffic.



## The Building Regulations 2010 (as amended) England

AD L1	Conservation of Fuel and Power
Note:	The system can form part of a roof construction to meet Part L. The thermal insulation performance of the system should be considered in the context of the contribution made to the overall performance of the roof structure.



## The Building Regulations 2010 (as amended) Wales

AD L1	Conservation of Fuel and Power
Note:	The system can form part of a roof construction to meet Part L. The thermal insulation performance of the system should be considered in the context of the contribution made to the overall performance of the roof structure.



## The Building (Scotland) Regulations 2004 (as amended)

Technical Handbooks - 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
Note:	The system is acceptable provided it is constructed in accordance with the manufacturer's details to give an FAA/FAB rating.
Mandatory	
Standard 3.6	Surface water drainage
Note:	Adequate steps must be taken to provide a means of rainwater disposal to satisfy guidance clause 3.6.1.
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 system is acceptable provided it is constructed in accordance with the manufacturer's details and by an accredited contractor. Condensation risk assessment should be provided if requested by the verifier.
Mandatory	
Standard 6.2	Building insulation envelope
Note:	The system will achieve the required U-value provided it is constructed in accordance with the manufacturer's details and by an accredited contractor. Effect on thermal value is negligible.

## Non-Regulatory Information



### LABC Warranty

The use of the TuffStuff GRP Flat Roof 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](mailto:technical.services@labcwarranty.co.uk)

## Supporting Documentation

BS 476 Part 3 External Fire Exposure Roof Test 346191 – F.AA (Exova Warrington)  
BS 476 Part 3 External Fire Exposure Roof Test 325184 – F.AB (Exova Warrington)  
BS EN 1928 : 2000, Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of watertightness (BBA Test Report No 55191)  
BSI EN ISO 9001: 2008 – Quality Management System Certificate FS 622967  
BSI ISO 14001:2004 – Environmental Management System Certificate EMS 641663  
450gm Mat Material Safety Data Sheet  
Acetone Safety and Data COSHH Sheet  
Catalyst Material Safety Data COSHH Sheet  
Tuffstuff Basecoat Safety and Data Sheet  
TuffStuff Polyurethane Trim adhesive Material Safety Data Sheet  
Tuffstuff Topcoat Safety and Data Sheet  
Installation Guide – June 2016 (Revision 7)  
Preformed GRP Trims Brochure – February 2015 (Revision 5)  
TuffStuff Warranty Certificate – Specimen – September 2015 (Revision A)

## Contact Information

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