

# TUFF WATERPROOFING LIMITED

HOME OF

**TUFF  
STUFF**  
THE GRP FLAT ROOFING SYSTEM

AND

**TUFF STUFF**  
**FLEXIBLE**  
**GRP**



Product Catalogue

# Protect your investment! - Get Tuff against the elements



## Seamless performance for maximum protection

The TuffStuff® GRP flat roof waterproofing system utilises the very latest polyester resin technology to provide a tough and permanent solution to the age-old problem of leaking flat roofs.

Developed through 30 years' experience in the manufacture and installation of GRP flat roofing, TuffStuff® is fully integrated - all components are designed to work with each other to produce a robust, heavy-duty membrane for faultless waterproof performance. With no seams or joints which are prone to leakage in other roof systems, TuffStuff®'s seamless membrane is formed in situ and fully bonded to the roof deck.

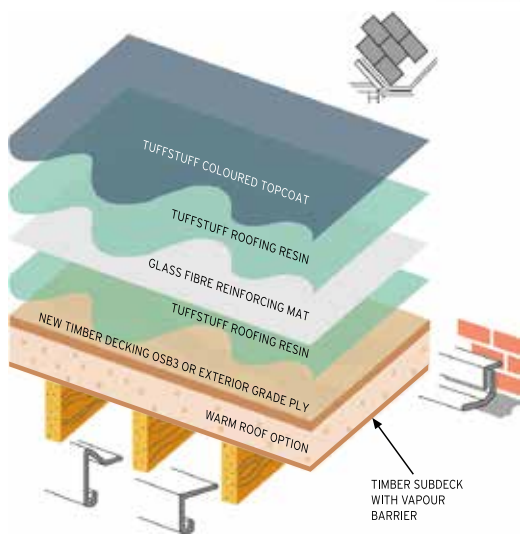
## Quality that lasts

Customers can confidently expect a lifetime of leak-free, maintenance-free protection from their TuffStuff® installation. The membrane's extremely hard wearing structure installed onto a new timber decking tolerates light foot traffic and resists attack from ultra violet light.



## Versatile and adaptable

TuffStuff® is not only ideal for flat-roofing; it is highly versatile and can be used for almost any application of any size or complexity. Sloping roofs, green roofs and balconies can all be easily accommodated, as can pools, ponds or water tanks.



- ✓ Tough but attractive appearance
- ✓ High security - too tough to be cut by a knife
- ✓ High safety - UK Building Regs. Compliant Full Fire Certificate
- ✓ TuffStuff® - the fit and forget solution
- ✓ Choose TuffStuff® - choose peace of mind



TuffStuff® is available as standard in dark grey but a range of different colours are available on request. A slip-resistant finish can also be specified.

# TUFF STUFF FLEXIBLE GRP

## The latest GRP roofing innovation from Tuff Waterproofing.

Providing an exceptional combination of versatility and durability. Quick to lay, with no need to strip or re-deck a roof, this fast-curing system saves time and money. It's a single-resin solution which can be applied to a multitude of surface types and structures including vertical sections, with no need for costly additives.

With two coats applied within one hour, TuffStuff® Flexible GRP will form a highly flexible, extra tough and seamless waterproof membrane - an ideal solution for areas of heavy-duty foot traffic.

- **One resin system - no separate base and top coat.**
- **Can be applied directly to felt, asphalt, single-ply, GRP, concrete, timber or metal.**
- **Easily added to vertical sections without sagging.**
- **Showerproof whilst curing.**
- **Fast curing system with walk on times of between 30-60 minutes.**
- **Highly flexible, extra-tough and seamless waterproof membrane.**
- **Rapidly breaks down with CSM reinforcement for quick and tidy detailing.**
- **Two-coat application can be completed within one hour.**
- **Crack resistant with no risk of weak points.**
- **One-pot system - one coat for a 10-year system and or two coats for a 20 year system.**
- **Uses granule hardener rather than liquid catalyst for safer and easier use.**
- **Saves time and money by overlaying a roof rather than stripping back and replacing.**
- **Can accommodate heavy foot traffic.**



## TUFF STUFF FLEXIBLE GRP



### One resin. Endless possibilities.



FS 622967



EMS 641663

### Introduction

TuffTechPRO® VP/UV flat roof waterproofing system is a tough totally seamless waterproof encapsulating membrane for many types of flat roofs.

It is a high build, elastomeric, moisture triggered polyurethane membrane, comprising of three layers incorporating a separate technically advanced reinforcement layer. It cures to form a totally waterproof membrane across the whole roof area.

**TuffTechPRO® VP/UV can be applied to a wide range of substrates including:**

- ✓ Felt
- ✓ Asphalt
- ✓ Concrete/Screeds (28 day cured)
- ✓ Fibre Cement
- ✓ Metals
- ✓ Polycarbonate
- ✓ PVC
- ✓ GRP
- ✓ Tissue Faced Insulation Board (Rockwool etc.)
- ✓ Glass (subject to an adhesion test)

Plus many other waterproofing membranes/systems. It has excellent adhesion properties and can be brush or roller applied.

TuffTechPRO® VP/UV, with built in solar reflectivity, provides excellent thermal and UV stability for all climatic conditions. It is fast curing and will remain flexible throughout its service life. The complete system provides a seamless barrier against water ingress yet is vapour permeable.

TuffTechPRO® VP/UV has excellent wetting out and moulding capabilities allowing complex shapes and details to be dealt with easily. Roof penetrations, ventilation

and cooling plant can all be sealed and new plant easily accommodated.

TuffTechPRO® VP/UV is cold applied and does not use any form of heat during installation. The use of heat or naked flames are now often prohibited by building insurance policies.

A TuffTechPRO® VP/UV roof can be recoated at any time prior to the end of its maintenance life thus extending its working life indefinitely.



### FEATURES

- ✓ Totally Seamless no welds, joints or overlaps
- ✓ Vapour Permeable
- ✓ Remains Flexible throughout its service life
- ✓ Fast Curing High Build, easy joint bridging
- ✓ UV Resistant

### BENEFITS

- ✓ Long Life
- ✓ Complex Details are easily accommodated
- ✓ Minimal Disruption whilst work is carried out
- ✓ Can be recoated at any time further extending life span
- ✓ Can be applied to most flat roofing substrates



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@tuffstuffgrp



Tuff Waterproofing Limited



01977 680250



tuffstuff.co.uk



tufftechpro.co.uk



info@tuffwaterproofing.co.uk