KoverTek

15 YEAR GUARANTEE

20 YEAR GUARANTEE

25 YEAR GUARANTEE

TEKGUARD®

FLEXI-GRP

Installers Guide

FLEXI GRP

FIRE RATED
to BS.476 Pt3 – F.A.A

Complete Resin Roofing System, creating a flexible membrane on a variety of surfaces.

TEKGUARD FLEXI-GRP THE FLEXIBLE ROOFING CHOICE OF THE PROFESSIONAL INSTALLER

15 YEAR GUARANTEE

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25 YEAR GUARANTEE

KoverTek are recognised in the roofing market as innovators in advanced liquid roof coatings and specialist GRP waterproofing systems. With the introduction of TekGuard, our Flexible GRP system is now a preferred option for roofing contractors, specifiers and consumers.

Contents

Why TekGuard Flexi-GRP?

Kovertek have developed TekGuard with the professional liquid roofing applicator in mind, speeding up the installation process. TekGuard Flexi-GRP is a liquid system that forms a flexible GRP membrane designed to waterproof new and existing flat roofs without the need to strip and replace the existing deck *.

With the highest fire rated certification onto OSB3. TekGuard has achieved BS.476 Part 3 - F.A.A. which means it can be used on any domestic/commercial property and meet any building regulations for flat roofs pertaining to fire protection.

You can install TekGuard products with the confidence of knowing you will receive continued support now and in the future, as we:

- Offer full technical support for our products and installation processes.
- Offer a range guarantees to suit you and your customers.
- Give support on how to specify and install Kovertek roofing systems, and how to comply to legislative regulations etc

* Where existing deck is suitable, please read the full installers guide before commencing work.

TEKGUARD® FLEXI-GRP

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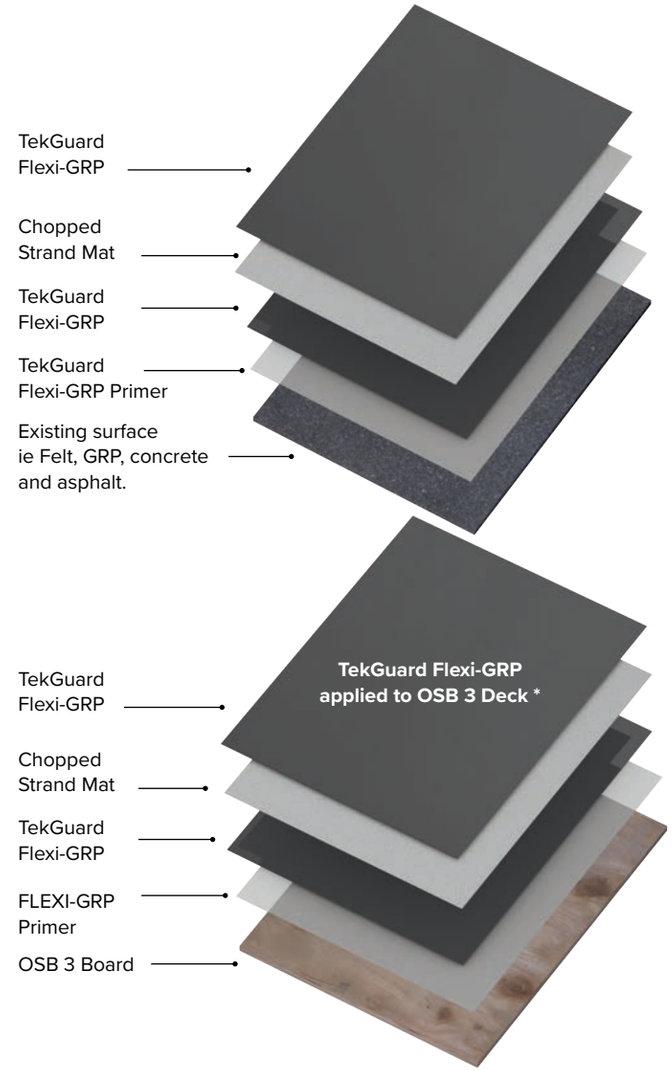
WHAT MAKES TEKGUARD FLEXI-GRP THE RIGHT CHOICE FOR YOU:

FLEXI GRP
FIRE RATED
to BS.476 Pt3 – F.A.A

- ✓ 15-year (300g CSM), 20-year (450g CSM) or 25-year (600g CSM) Materials Guarantee when installed correctly, please contact us for further details of the guarantee conditions.
- ✓ TekGuard is a single high-performance flexible resin without the need for separate base and topcoat and can be used as a wet on wet system.
- ✓ Can be applied onto multiple surfaces both new and existing such as Felt, OSB3, GRP, concrete and asphalt.
- ✓ Quick application and a range of cure times to suit the environment, saving both time and money for you and your customers.
- ✓ Cold applied, no hot works or open flame risks
- ✓ Class beating Fire rating. Tested as a Flat Roofing System applied to OSB3 and has achieved both: BS 476-part 3 test:- EXT.F.AA; EN 1187 test 4 – BROOF(t4)
- ✓ Superior 'wet-out' of resin with fiberglass reinforcement (CSM).
- ✓ Uses a liquid catalyst system that removes the need for adding other products to speed up or slow down the cure.
- ✓ TekGuard/TekShield branded ancillaries means you can carry for use on either the TekGuard or Tekshield systems without having to carry different ancillaries such as Catalysts, CSM, tape etc
- ✓ Reduces the need for full roof replacement where suitable, reducing the environmental impact and cost of waste disposal.

From small to large flat roofs, from refurbishment to new installations. TekGuard offers the flexible choice for you.



* OBS 3 18mm Tongue and groove is the recommended grade for new installations.

TekGuard is a simple and fast liquid system that can be used to make watertight new and existing roofs.

TEKGUARD FLEXI-GRP PRODUCT RANGE

TekGuard Flexi-GRP

Developed to achieve a consistent curing speed when used with TekGuard GRP Catalyst.

Features:

- Available in 20kg tins.
- Designed to be used with TekGuard Flexi-GRP Primer, Liquid Catalyst, 300g, 450g, 600g Chopped Strand Mat, and Trims if required.

TekGuard Flexi-GRP Primer

For use prior to waterproofing over existing roof surfaces or new OSB3 substrates. Must be used with TekGuard catalyst.

Features:

- Available in 5kg tins.
- Pigmented white to give clear visibility of application.

TekGuard Standard/Winter Catalyst

TekGuard GRP Liquid Catalyst is used to start the reactive curing process for TekGuard Resin and Primer. Available in both ‘Standard’ and ‘Winter’ versions which means you can adjust for use all year round.

TekGuard GRP Chopped Strand Matting

300g/450g/600g Chopped strand Mat (CSM) used to create a stronger membrane, giving a range of different TekGuard guarantees.

Features:

- Consistent quality, thickness and strength.
- Rapid wet out and air release.
- Excellent formability for small radius moulds.
- Excellent mechanical properties.

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TekGuard GRP Woven Glass Tape

Woven tape is used to bandage the joints in square edged OSB3, join roof edge trims & corners together and cover/fill small gaps, producing a clean and neat finish. Simply cut the required length and wet out with TekGuard Flexi-GRP onto the surface.

Features:

- Available in 50m rolls in 50mm, 75mm & 100mm widths.

TekGuard GRP Iron Silicate

Iron Silicate enables our TekGuard Flexi-GRP system to be used for walkways and balconies creating an anti-slip finish.

Features:

- Available in 5kg, 10kg buckets and 25kg bags.

FIX ALL High Tack Trim Adhesive/Sealer

A high quality, single component joint sealant with high adhesive strength. In addition this product is both weatherproof and waterproof, which makes it ideal for the TekGuard Flexi-GRP System.
For use with TekGuard GRP Trims prior to mechanically fixing.

TekGuard GRP Acetone

Used to clean uncured TekGuard Primer and Flexi-GRP from brushes, rollers and other equipment. Please note this material is highly flammable. Available in 1, 5 or 25 litre packs.

GRP TOOLS & ACCESSORIES

Catalyst Dispensers 15ml & 80ml

Catalyst Measuring Cup 500ml

2.5, 5 & 10L Buckets

Paddle Rollers

Fin Rollers

Large Bubble Buster Roller

Resin Application Rollers

Roller Frame Only

Resin Roller Refills

Push Fit Roller Frame
(Available in 6”, 7” & 10”)

Topcoat Roller Refill (velour)
(Available in 6” & 10”)
& Nylon Resin Roller
(Available in 6” & 10”)

Telescopic Pole 80cm - 140cm
with Taper & Screw Cone

Wooden handled brushes
(Available in 2”, 3” & 4”)

Plastic handled brushes
(Available in 2”, 3” & 4”)

Disposable Gloves
Large box of 100.

Roofing and tool kits available, please ask for details

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GRP ROOFING TRIMS

Our GRP Roofing Trims are manufactured in the UK using quality resin and glass fibre. All trims are finished in a light grey colour and cut to a 2.5m length, designed for ease of handling and to reduce waste.
TekGuard trims have a high adhesion mat finish to the outer face providing a strong bond between the Trim and TekGuard Flexi-GRP.

- Standard 2.5m length.
- Consistent weight and thickness.
- Easy jointing - simple overlap by 50mm.

TekGuard GRP B240/B260 Trims

Raised edge trims are used to channel rainwater away from the edges to the guttering. Fascia should be pre-fitted with batten to ensure the trim is supported.

- B240 (100 x 105mm)
- B260 (130 x 125mm)

TekGuard GRP A170/A200/A250 Drip Trims

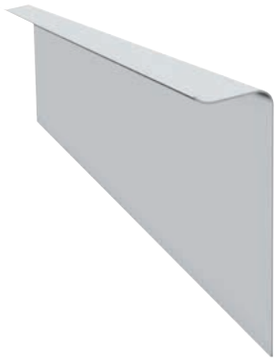
These trims are fitted to the lowest point of the roof where water should flow into the gutter allowing for drainage.

- A170 (75 x 84mm)
- A200 (95 x 90mm)
- A200A (90 x 90mm) - same A200, but with drip return
- A250 (95 x 140mm)

Corner trims are used to neatly join and finish the roof trims and are designed to fit all depths as they can be cut to fit the trims being used.

- **C1 Universal External Corner Trim** -
  forms a left or right hand corner.
  Use with the “A” and “B” range of trims.
- **C2 Fillet to Corner Trim** -
  are used where a flat roof meets an abutting wall.
  Use with the “A” range, “B” range and “D260” trims.
- **C3 Internal or External Fillet Corner Trims** -
  used as a preformed internal or external corner.
  Use with a “D260” trim.
- **C4 Universal Internal Corner Trim** -
  forms a left or right hand corner.
  Use with the “A” and “B” range of trims.

Trim colour may vary from those illustrated.



TekGuard C100/C150 Simulated Lead Flashing

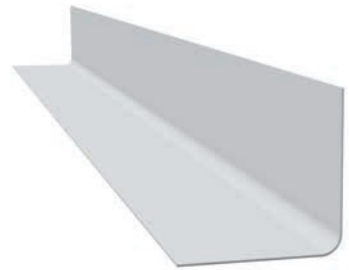
Simulated lead flashing trims with two different depths - these are used to finish the D260 wall fillet, seal the chase with Fix-All Adhesive.

- C100 (35 x 100mm)
- C150 (35 x 150mm)

TekGuard D260 Wall Fillet

Wall fillet is used up abutment walls allowing for expansion around the roof.

- D260 (120 x 60 x 80mm)



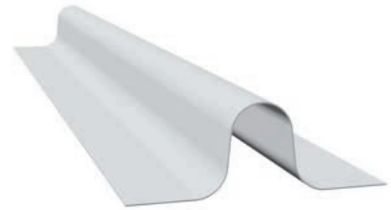
TekGuard G150/G275 External 90° & H150/H275 Internal 90° Angle Trims

For use in areas such as walls and steps when the laminated surface sits flat to a perpendicular surface.

Finishing on the G trims is on the outer face.

Finishing on the H trims is on the inner face.

- G150 (75mm x 75mm)
- G275 (200mm x 75mm)
- H150 (75mm x 75mm)
- H275 (200mm x 75mm)



TekGuard E280 Pre-formed Expansion Joint/Ridge Roll

Used on both the creation of expansion joint on roofs 50m^2 and above.

Trim colour may vary from those illustrated.

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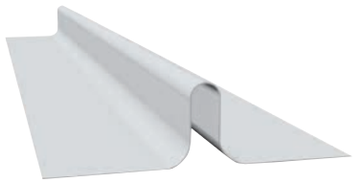


TekGuard ER40/30 Pre-formed Rib Detail

Trim used to create raised rolled lead joint effect.

- Use the C6 closures to cap the ends
- ER40/30 (50 x 40mm)

TekGuard C5 & C6 Closure Trims

- The C5 roof ridge closure is used to finish E280 trim.
- The C6 roof ridge closure is used to finish ER40/30 trim.

TekGuard G180 Gutter Trim & Expansion Joint

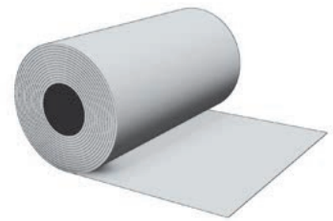
G180 Gutter trim is used for creating a drainage channel. The deck needs to be cut for the trim to sit in. The gutter trim is also used to create an expansion joint on areas larger than 50m^2.

- G180 (15 x 140mm)

TekGuard J380 35° - 50° Flexible Internal Angle

For use on internal angles between 35° and 50° from a flat surface.

- J380 (85 x 300mm)



TekGuard F300, F600 & F900 Flat Sheets

Preformed flat GRP rolls for use when waterproofing between flat and pitched roof trusses, as well as other areas shown in the trim guide.

- F300 (300mm x 20m roll)
- F600 (600mm x 20m roll)
- F900 (900mm x 20m roll)

Trim colour may vary from those illustrated.

Simple and fast installation with the TekGuard GRP system and accessories

PREPARATION

What do i need?

Below is a guide to the TekGuard Flexi-GRP products you should have before starting. Check the material and catalyst charts for calculating quantities needed.

Must-have components

- **TekGuard Flexi-GRP**
- **TekGuard Flexi-GRP Primer**
- **TekGuard GRP Standard or Winter Catalyst**
- **TekGuard GRP 300, 450 or 600g CSM**
  (Chopped Strand Mat)
- **TekGuard GRP 75mm**
  Woven glass tape
  (other widths available)
- **Replacements trims where needed on existing or new roofs.**

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PREPARATION - PRIOR TO TEKGUARD FLEXI-GRP INSTALLATION

Appraising/Examining type of installation

The development of TekGuard Flexi-GRP now means that a range of existing flat roofs can potentially be waterproofed by using the TekGuard system. This saves a substantial amount of time, materials and decreases the carbon footprint by reducing waste produced when fully replacing an existing built up roof. Please note that not all existing flat roofing structures will be suitable without remedy.
TekGuard can also be used on new roofs where OSB3 has been installed.

Overlaying an existing roof – Appraising roof condition

Existing roofs need to be carefully examined prior to deciding if TekGuard as an overlay system or a new installation is the right choice. Care must be taken to investigate and identify points of defect and potential failure and remedied before commencing the installation.

Whenever possible core samples should be taken to ascertain the condition of the existing structure as this forms part of the Materials Guarantee. In situations where the roof is completely saturated or sodden it is highly recommended that these areas are removed and replaced. This also applies to areas affected by decay or excessive wear. Surfaces must be structurally sound before overlaying an existing roof.

Please read this guide carefully to understand the types of roofs that can be overlaid. The TekGuard system will perform and waterproof a range of surfaces but there can be a wide variety of seemingly similar materials that vary in both quality and manufacture. Always test a small area for adhesion before commencing with the main work. When examining the roof, any detailing such as up-stands, inlets, outlets, perimeter trims need to checked to see if they are suitable or require replacement as failure to do so can lead to the overall failure of the TekGuard system.

WATERPROOFING EXISTING ROOFS

Surface preparation - Waterproofing existing flat roofs

The key to long-term performance on any roof is preparing the surface correctly, the same is true for TekGuard Flexi-GRP. Please read through all guidelines prior to using the TekGuard system. This is to ensure that the necessary evaluation and preparation of surfaces have been carried out to the highest standard as detailed in this installation guide and good working practices.

Step 1 The vital part of the installation is to ensure that the surface and the substrate beneath is not sodden, deteriorated or wet. Laying on damp materials will lead to a failure of the TekGuard system through lack of bond between materials.

Step 2 Check the moisture content of the underlaying substrates by taking a core sample. Using a good quality moisture detector the reading should have a maximum content of 20% WME (wood measurement equivalent). Above this level, the moisture content is considered hazardous, especially with wood as this is the point wood starts to rot and will require further investigation.

Step 3 Surface water must be removed and it is recommended to address areas that show ponding as this will also pond on the finished surface once completed. Ponding may indicate that either the roof deck has started to fail, that the supporting trusses are bowed or that the original roof was not designed with sufficient fall in the first place. If the substrates are showing a higher than 20% WME reading then it must either be allowed to dry out naturally or the use of forced drying using warm air dryers. Direct flame drying should be avoided due to the risk of fire.

Step 4 All surfaces must have the following treatment prior to application (individual preparation set out in addition).

- Remove all loose surface materials such as chippings, any embedded chippings must be removed by mechanical means.
- All areas should be cleaned, removing dirt, debris, organic growth such as moss and lichen.
- NB: If areas contain asbestos, seek specialist advice as these area's should not be disturbed or mechanically cleaned due to the hazardous nature of asbestos roofing.
- Areas that have had organic growth should be treated with an antifungal spray or distilled vinegar can be used as an safe environmental alternative, allow moss and lichen to die back and remove with a stiff bristle broom or similar.

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Surface preparation - Waterproofing existing flat roofs (continued)

- **Felt –** Before you apply the TekGuard system, remove damaged or badly decayed areas to ensure a sound surface is achieved. Blisters should be star cut, peeled back, dried then re-bonded to the substrate before further application. This also applies to loose felt if in good condition. Prime with TekGuard Primer before applying the TekGuard Flexi-GRP system.
- **Asphalt –** Areas with cracks above 5mm should be cleaned and made good with a suitable repair adhesive such as Fix-All. Areas that have blown need to be levelled with a suitable mortar repair compound. All repairs must properly cure before applying TekGuard Primer followed by the TekGuard Flexi-GRP system.
- **GRP/Fibreglass –** Remove any cracked flaking or loose topcoat by sanding back to a firm base. For best results and if the existing topcoat was applied less than twelve months before, it is recommended that the roof surface is lightly abraded. Prior to laying the TekGuard Flexi-GRP system wipe the existing GRP roof thoroughly with TekGuard Acetone. This should include any existing GRP trims as the trims require a uniform finish using TekGuard Flexi-GRP. Primer is not required but would be recommended to achieve the strongest bond.
- **Concrete/Brick & Screed –** Smooth concrete should be lightly abraded with a wire brush, any cracked areas should be repaired with a suitable compound and allowed to fully cure. Remove any loose debris and ensure you have a clean solid surface to apply to. Wet areas must be dried before applying the TekGuard Primer followed by the TekGuard Flexi-GRP system. Application to fresh concrete/screed (under 30 days) is not recommended unless full cure of the concrete is achieved and an area tested before commencing work on the main area.
- **Metals –** TekGuard Flexi-GRP can be applied (to small areas) on common metals used in general construction of a combined roof. Flexi-GRP should not be considered for laying onto all metal roofs. Do not overlay rusting metal, if it is not possible to remove/replace the affected area then a rust converter must be used, based on phosphoric acid and reinforced to ensure a sound surface to lay upon. Clean, abrade and acetone wipe prior to application of Flexi-GRP Primer, ensure PPE is correctly used when handling lead in particular. Use TekGuard Flexi-GRP Primer prior to applying the TekGuard Flexi-GRP.

  NB:
  All roof surfaces where instructed must be primed with TekGuard primer before laying the TekGuard system. Failure to do so could lead to system failure and invalidate the product/materials guarantee. Always test a small area for bond strength prior to the full installation.

OSB3 INSTALLATION GUIDE

Simple and fast installation is achieved with the TekGuard Flexi-GRP System, trims and accessories. The TekGuard instruction manual and technical data sheets are available to download via our website **www.kovertek.com**

Before committing yourself to using the TekGuard system. Make sure before starting you are familiar with Kovertek's installation guidelines on how to lay the TekGuard Flexi-GRP system. Take time to familiarise yourself with the installation guide to make it a great TekGuard experience everytime.

A. Preparation

Step 1 Before starting make sure that the weather is forecast to be dry prior to installing the TekGuard Flexi-GRP system. Ensure all areas around the roof liable to resin splashes/drips are covered or moved if possible, such as windows, vehicles etc.

Step 2 Remove any old roof coverings, chippings or rotten wood for over boarding or full replacement using 18mm OSB 3, T&G (Tongue and groove) is strongly recommended.

Step 3 Ideal temperature is above 7.5°C, it is possible to install at lower temperatures but always seek advice before doing so. Never install below 0^{0}C.

Step 4 Carefully choose and replace/ install the correct trims required to ensure correct drainage etc. Please refer to trim installation section for detailed images.

Step 5 All materials should be stored suitably between 15-25°C before use.

Step 6 Use the material estimation guide to make sure you have everything you need to do the job.

Step 7 Check the deck/roof temperature using a laser infrared thermometer, prior to installing the TekGuard Flexi-GRP system use the catalyst addition guide to calculate the correct amount/type of catalyst required.

Step 8 If your not sure of anything, stop and ask our technical team for help and guidance, we always recommend asking about our training and demonstration days to really see the product in action.

B. Preparing the deck

Like any good construction it's only as good as its foundations and the same is true for TekGuard Flexi-GRP, please read through the guidelines below if you are preparing the deck or pass along to the contractor who is, so you can be sure you're ready to go.

Step 1 Examine existing roof boards and either remove if rotten/warped or overboard if suitable. Ensure that all existing roofing materials such as felt, bitumen, single ply etc is removed prior to over boarding. Whether overboarding or laying a new deck it is vital that the boards are not exposed to rain or excess moisture prior to applying the TekGuard Flexi-GRP system as this can lead to movement of the boards and potential failure of the roof. NB If using 18mm Tongue & Groove OSB 3 board have the gap of the tongue & groove facing upwards when laying. If laying square edge OSB3 the joints must be taped using the 75mm TekGuard GRP Woven glass Tape.

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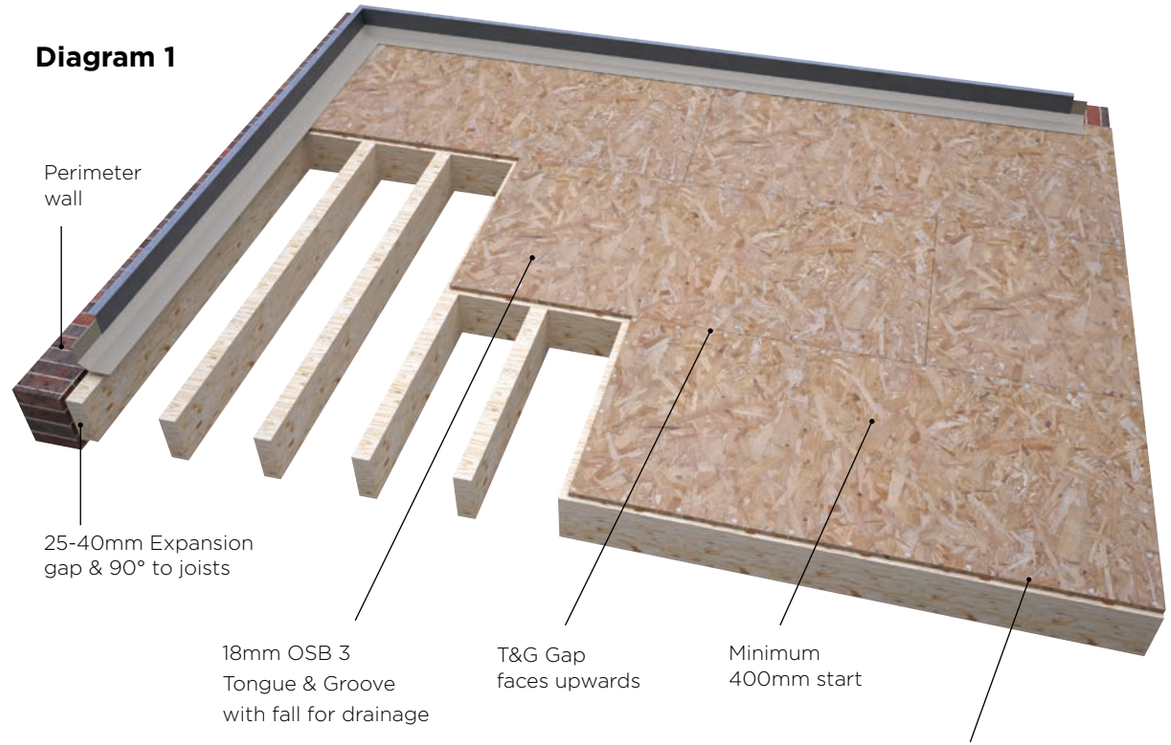
*** see separate TekShield installation guide.**

Step 2 The boards must be laid 90° to the joists or existing boards ie across joists/boards and not in-line (See diagram 1) making sure there is sufficient fall built in to allow the surface to drain without standing water. When laying next to a wall allow a 25-40mm gap between the board and wall, this allows for the movement of the roof during hot and cold weather and avoids the excessive noises associated with poorly installed decks. Finish the board flush to the fascia and then stagger the next row of board with a minimum of 400mm board to start.

Step 3 Fix the boards with galvanised ringshank nails (recommended 63mm) to penetrate the joists by 40mm the fixings should be spaced 200mm apart. We recommend a powered nail gun to fix the nails in place as this makes the job considerably quicker and avoids damaging the ceiling below. Standard hammers can be used in areas that have no ceiling below, please ask about the correct fixings when installing a roof with insulation.

Step 4 It is vital to note that any one flat area above 50m^2 must include an expansion joint (see GRP Trim Installation Guide from page 18).

Diagram 1



CATALYST ADDITION CHART FOR TEKGUARD FLEXI-GRP PRIMER AND RESIN

Surface/TekGuard Flexi-GRP Temperature	28-35°C	20-27°C	12-19°C	6-11°C	0-5°C
Percentage Catalyst	**1% Standard Catalyst**	**2% Standard Catalyst**	**3% Standard Catalyst**	**2% Winter Catalyst**	**3% Winter Catalyst***
Weight of TekGuard Primer/Flexi-GRP	**Weight or volume of catalyst (ml/g)**				
1kg	10ml	20ml	30ml	20ml	30ml
2kg	20ml	40ml	60ml	40ml	60ml
3kg	30ml	60ml	90ml	60ml	90ml
4kg	40ml	80ml	120ml	80ml	120ml
5kg	50ml	100ml	150ml	100ml	150ml
6kg	60ml	120ml	180ml	120ml	180ml
7kg	70ml	140ml	210ml	140ml	210ml
8kg	80ml	160ml	240ml	160ml	240ml
9kg	90ml	180ml	270ml	180ml	270ml
10kg	100ml	200ml	300ml	200ml	300ml
15kg	150ml	300ml	450ml	300ml	450ml
18kg	180ml	360ml	540ml	360ml	540ml

* NB: Whilst TekGuard Flexi-GRP can be used in cold/dry conditions any work should be completed and cured before nightfall or before temperatures fall sharply.

Do's & Don't's

- To achieve the most accurate catalyst addition always weigh the TekGuard Primer or TekGuard Flexi-GRP in a bucket and then add the correct amount of catalyst using a dosimeter.
- **Always** stir every mix thoroughly to ensure a streak free and fully cured finish.
- In hot weather never go below 1% addition of standard catalyst, if still too quick mix up less TekGuard Primer or TekGuard Flexi-GRP.
- Never use more than 3% of Winter Catalyst in cold weather as this can affect the performance of the system.
- The longer you leave catalysed TekGuard primer or TekGuard Flexi-GRP in a bucket, the faster it will cure. Depending on the area you're waterproofing (roof size or detailing) it would be advised to catalyse and mix between 2-5kg to ensure the best working time is achieved.
- If material has gelled and cannot be used move to a safe location away from flammable materials until cold, then dispose as solid waste.
- If in doubt contact our technical support team and ask for advice.

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USING TEKGUARD FLEXI-GRP PRIMER

TekGuard Primer is a high performance multi surface product that promotes the adhesion between different surfaces and the TekGuard Flexi-GRP system. TekGuard primer is for use when overlaying existing roof membranes or new surfaces where primer is required. Refer to the surface preparation section on how to prepare the roof prior to laying the TekGuard Flexi-GRP system. Its essential you install the TekGuard Flexi-GRP products in dry conditions and do not apply on to a wet or damp surface. It is also highly recommended you should frequently monitor the weather prior to catalysing any TekGuard Primer or TekGuard Flexi-GRP.

NB: TekGuard Primer uses the same liquid catalyst as the TekGuard Flexi-GRP and the same catalyst addition rates making it easier to calculate how much catalyst is added. Please refer to the Catalyst Addition Chart for the addition rate for both TekGuard primer and TekGuard Flexi-GRP products.

TekGuard Primer & TekGuard Flexi-GRP
Measure the roof area and calculate the primer required using the primer coverage rates and quantities guide on this page and the TekGuard Flexi-GRP guide. Make sure to account for extra product (primer and Flexi-GRP) when having to coat/prime any detailed areas such as: vertical walls, associated fixtures and fittings. Make sure to allow for approx. 10% wastage that could be lost in the mixing and application process. Working times can be adjusted easily and quickly depending upon changing weather conditions. The working time should be around 15-20 minutes per mix. Allow 40-60 minutes for the primer to cure before applying the TekGuard Flexi-GRP system which will take a further 40-60 minutes to start to cure. It is not recommended to leave TekGuard primer longer than 48hrs before applying the TekGuard Flexi-GRP and chopped strand reinforced matting.

Coverage Rates & Quantities

Materials Usage Guide (NB guide does not account for materials lost in mixing or use of brushes/rollers etc			
Roof Size m²	**Smooth Surfaces 200g/168mL per m²**	**Medium Surfaces 250g/210mL per m²**	**Rough Surfaces 300g/252mL per m²**
5	1kg	1.25kg	1.5kg
10	2kg	2.5kg	3kg
15	3kg	3.75kg	4.5kg
20	4kg	5kg	6kg
25	5kg	6.25kg	7.5kg
30	6Kg	7.5kg	9kg
35	7kg	8.75kg	10.5kg
40	8kg	10kg	12kg
45	9kg	11.25kg	13.5kg
50	10kg	12.5kg	15kg
75	15kg	18.75kg	22.5kg
100	20kg	25kg	30kg

TEKGUARD FLEXI-GRP COVERAGE GUIDE - REINFORCED WITH 300G, 450G OR 600G CSM

Coverage Rates & Quantities

Roof Size m^2	300g Smooth surface 15 Year 1.5Kg/1.1L per m^2	450g Smooth surface 20 Year 1.95Kg/1.4L per m^2	600g Smooth surface 25 Year 2.4Kg/1.7L per m^2	300g Medium surface 15 Year 1.65Kg/1.18L per m^2	450g Medium surface 20 Year 2.18Kg/1.56L per m^2	600g Medium surface 25 Year* 2.7Kg/1.93L per m^2	300g Rough surface 15 Year 1.8Kg/1.29L per m^2	450g Rough surface 20 Year 2.4Kg/1.71L per m^2	600g Rough surface 25 Year 3Kg/2.14L per m^2
5	7.5kg	9.75kg	12kg	8.25kg	10.9kg	13.5kg	9kg	12kg	15kg
10	15kg	19.5kg	24kg	16.5kg	21.8kg	27kg	18kg	24kg	30kg
15	22.5kg	29.25kg	36kg	24.75kg	32.7kg	40.5kg	27kg	36kg	45kg
20	30kg	39kg	48kg	33kg	43.6kg	54kg	36kg	48kg	60kg
25	37.5kg	48.75kg	60kg	41.25kg	54.5kg	67.5kg	45kg	60kg	75kg
30	45Kg	58.5kg	72kg	49.5kg	65.4kg	81kg	54kg	72kg	90kg
35	52.5kg	68.25kg	84kg	57.75kg	76.3kg	94.5kg	63kg	84kg	105kg
40	60kg	78kg	96kg	66kg	87.2kg	108kg	72kg	96kg	120kg
45	67.5kg	87.75kg	108kg	74.25kg	98.1kg	121.5kg	81kg	108kg	135kg
50	75kg	97.5kg	120kg	82.5kg	109kg	135kg	90kg	120kg	150kg
60	90kg	117kg	144kg	99kg	130.8kg	162kg	108kg	144kg	180kg
65	97.5kg	126.75kg	156kg	107.25kg	141.7kg	175.5kg	117kg	156kg	195kg
70	105kg	136.5kg	168kg	115.5kg	152.6kg	189kg	126kg	168kg	210kg
75	112.5kg	146.25kg	180kg	123.75kg	163.5kg	200.5kg	135kg	180kg	225kg
80	120kg	156kg	192kg	132kg	174.4kg	216kg	144kg	192kg	240kg
85	127.5kg	165.75kg	204kg	140.25kg	185.3kg	229.5kg	153kg	204kg	255kg
90	135kg	175.5kg	216kg	148.5kg	196.2	243kg	162kg	216kg	270kg

NB: Coverage figure quoted should only be seen as a guide due to variances in surface type and waste when using buckets, brushes, rollers etc

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APPLYING TEKGUARD FLEXI-GRP

TekGuard Flexi-GRP system is an evolution in the use and application of “traditional” GRP/ Fibreglass Systems and has been specifically developed to meet the rigorous demands of flat roofing. This allows the option to either overlay existing flat roofs (that have been assessed as suitable) and onto new OSB3 decks.
TekGuard Flexi-GRP not only gives long-term protection and weather resistance but has also achieved the highest fire rating available for flat roofing, BS476 Part 3/CEN/TS EN1187 when laid onto an OSB3 Deck. Thus giving top fire performance onto a surface that is used in every day flat roof construction and complying with building regulations.

Waterproofing the main area of the new or existing roof
After the primer has been applied and cured. Mix up the quantity (recommended 2kg) of TekGuard Flexi-GRP that you require to laminate the reinforced woven glass tape onto any perimeter trims and corners. This will help you determine (dependent on temperature) what working time you have when laminating the main roof area with chopped strand mat (300g, 450g or 600g CSM) The normal working/gel time for the TekGuard Flexi-GRP should be around 20-30 minutes per mix. Never mix a container above 5kg in weight as this will potentially cure in the container if you cannot use it in time before it gels and becomes unusable.

1. Use the TekGuard Flexi-GRP coverage guides to calculate how much TekGuard primer, Flexi-GRP and catalyst will be required to complete the installation. This will be determined on the weight of the CSM (chopped strand mat) and surface you are applying to. Also insure you have sufficient TekGuard Catalyst and the correct grade for the time of year (Standard or Winter). Using heavier weight matting achieves a longer materials guarantee 15, 20 or 25 year.

2. Once all of the relevant surface preparation has been carried out you are ready to start installing the TekGuard Flexi-GRP system. The CSM should be laid in the direction of the fall of the roof to help drainage and avoid area’s of standing water,. You will be laying in rows of CSM which are approx. 975mm wide allowing for the feathered edge. CSM has a straight cut edge and opposite is the feathered edge which will be used to integrate the next row of CSM using a 50mm overlap. Done correctly you can achieve a virtually seamless joint that will look aesthetically better and aid drainage. Work should commence on the outer perimeter away from the main wall if one exists, start with the straight cut edge of the mat. Best practice is to pre-measure and cut the rows of CSM prior to applying the Flexi-GRP, this will ensure you have the maximum working time of catalysed materials.

3. Always fully stir TekGuard primer and TekGuard Flexi-GRP in the original container before pouring into a measured bucket or scuttle. Use a plastic/wood paint stirrer or similar ensuring the stirrer is clean. Do not use an electrical stirrer/ paddle mixer as this will introduce excessive air into the mixture that could lead to pinholes in the cured product. Once completely stirred, the primer and Flexi-GRP should be separately poured into an appropriate bucket or scuttle. To get the best accuracy and to ensure a consistent cure rate, the products should be weighed using either portable battery operated scales or hand scales. Using a catalyst dispenser/dosimeter measure the correct amount of standard or winter TekGuard GRP Catalyst. Mix into the container using a separate stirrer to avoid introducing catalysed material into the original container. The catalyst must be stirred in thoroughly from the bottom of the container. Handle catalyst with care and store in shade when not being used. Use the correct PPE, gloves and safety glasses, a mask can be worn if desired.

4. Having calculated what you will need for each run, mix in batches of 2-5kg lots. When roller applying the TekGuard Flexi-GRP system to the surface, use a medium pile blue stripped nylon roller. Apply approx 1/3rd of the mix required per m2 to the surface, then roll out the CSM into the TekGuard Flexi-GRP. Using the same nylon roller to consolidate the CSM making sure there are no pockets of air and that the CSM is fully wet out with no white fibres remaining. On smooth surfaces and especially on new OSB3 decks it is recommend that a bubble buster or fin consolidating roller is used. Then apply the remaining material required per m2 with the same roller for a wet-on-wet installation.

APPLYING TEKGUARD FLEXI-GRP (CONT)

5. Once the row is completed you have the choice to either finish the row wet on wet , or for the best finish you should continue onto the next row. To do this apply the TekGuard Flexi-GRP system as for the first row and again roll the CSM down into it, this time making sure the feathered edge of the new roll is laid over at least 50mm onto the straight edge. Consolidate the joint with the nylon roller or if onto a smooth surface use a fin roller to achieve a consolidated joint. Continue this process until meeting the end of the surface, i.e. a wall up stand or opposite side of roof edge. Allow to cure for 45-60 minutes (dependent on weather conditions) then apply the finish coat across the entire surface including perimeter trims etc. This will give the best aesthetic finish to the roof however both methods will achieve a full waterproofed envelope once cured.

6. For area's that require an anti slip surface, such as walkways, balconies and terraces. You will need to apply Scangrit anti slip. First tape around the area/perimeter that requires the anti-slip, apply 300g per m2 of catalysed TekGuard Flexi-GRP then broadcast by hand into the uncured TekGuard Flexi-GRP and allow to cure. Remove the masking tape whilst the TekGuard Flexi-GRP is still wet.

The other option is to mix the aggregate directly into the TekGuard Flexi-GRP prior to catalysing (using 10-15% by weight). You then simply apply as the finishing layer.

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Installing the GRP Trims

KoverTek GRP trims are essential for perimeter detailing and drainage and when replacing existing cracked and damaged detailing.

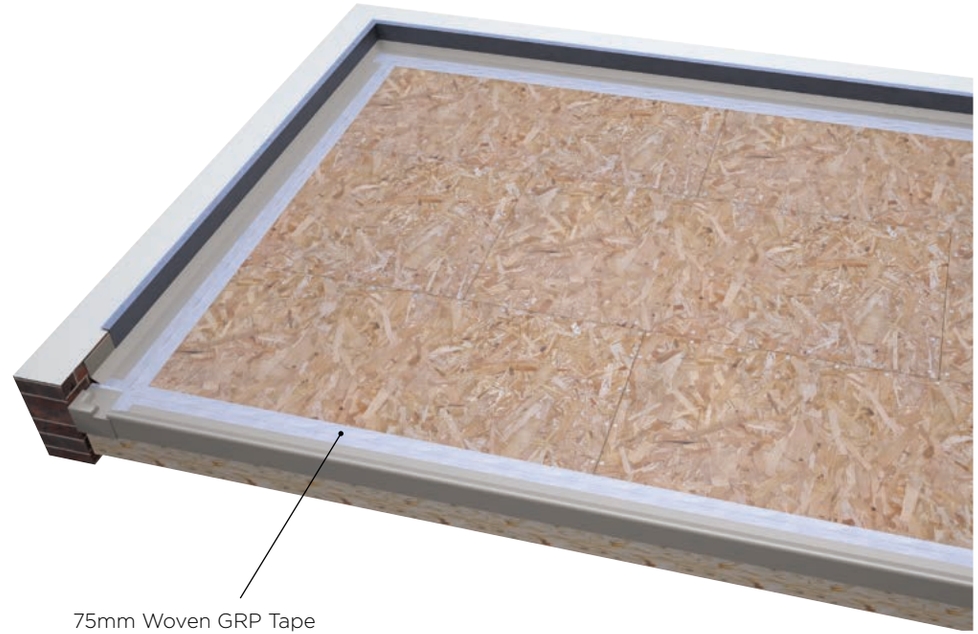
Step 1 Depending on the roof design, KoverTek GRP trims should be fixed to the perimeter. Before fixing drip/gutter trim. A support roof batten must be fixed level with the OSB3 boards or existing flat roof whilst a second roof batten is to be mechanically fixed 10mm lower than the apply a 6-8mm bead of Fix-All adhesive/sealer on the perimeter of the OSB 3 for the trim to bed in, use 13mm clout nails/ staples to fix the trim into position. Firstly fix each end of the trim, then the middle and then in between with spacing of approx. 200mm between, note that trims have a matt surface and a gloss surface, the matt surface should always be used to overlay with the TekGuard Flexi-GRP and chopped strand mat (CSM).

Step 2 When using drip trims (A170/A200/A250) it is recommended to use an electrical planer to remove 2mm of the OSB 3 at the perimeter to allow the trim to lay flush with the deck to prevent any drainage issues/ponding.

Step 3 Apply the 75mm woven glass edging tape with catalysed TekGuard Flexi-GRP. Approximately half on the trim edge and half on the OSB 3, in preparation for the TekGuard Flexi-GRP and fibreglass layer. (See diagram right).

Step 4 Corners should be selected and used to ensure the best fit between drip trims, raised edge trims and where the trims terminate against the wall.

Step 5 Where the edge of the OSB3 meets a vertical wall a 25-40mm expansion gap is required. A GRP wall fillet trim must be used (D260) to bridge the expansion gap and form the up-stand. This is then finished off with the simulated lead flashing trim (C100) or (C150) which must be rebated into the brickwork/ mortar line by using an angle grinder to make a 35mm chase. This forms protection from water coming down the brickwork and behind the wall fillet. Seal the rebated (C100)/(C150) flashing trim into place using Fix-All adhesive/sealer. Do not bond the C100/C150 to the upstand as this allows the roof to ventilate.



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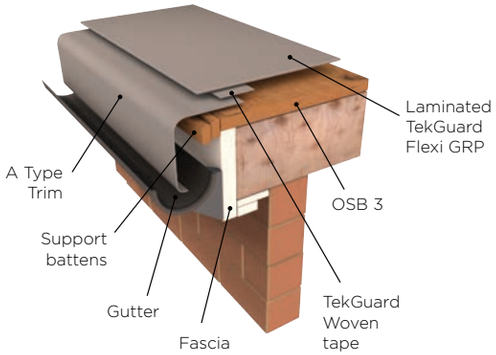
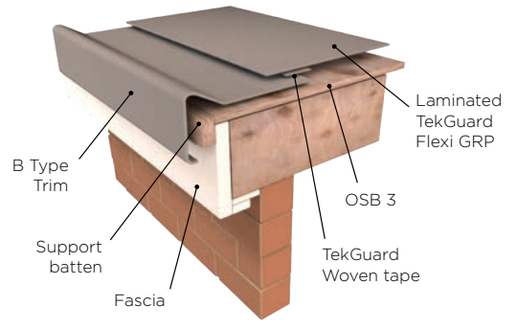
GRP TRIMS INSTALLATION GUIDE



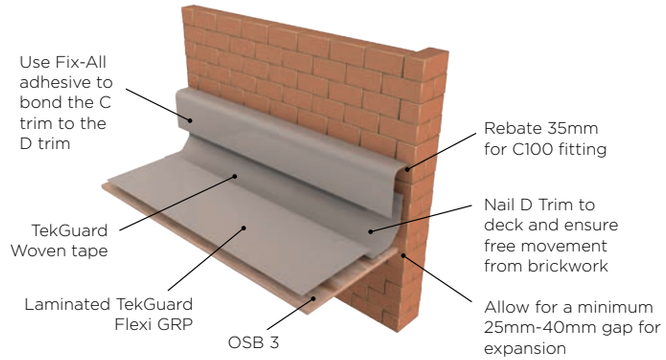
A170/A200 & A250 Drip trims in situ

These trims should be fitted to the lowest point of the roof to allow flow of water into the gutter. Support battens should be used to create a gap from the gutter to stop the trim flexing out of position and to kick the drip trim into the middle of the gutter. The drip trims must be bonded to the support batten with FIX All adhesive. Clout nails should be used to fix the trim onto the OSB3 boards or into the existing flat roof deck. Do not nail the face of the trims in to the supporting battens. To create a continuous run, overlap the drip trims by 50mm onto the next and bond with FIX All Adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and catalysed TekGuard Flexi-GRP.



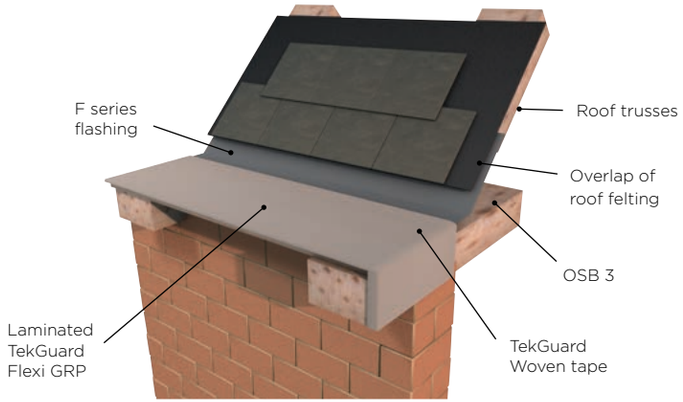
B240/B260 & B300 Raised edge trims in situ

The trims should be used to prevent water flowing over the edge of the roof with the use of a single batten to support the trim and prevent flexing out of position and to slightly kick the raised edge trim off the fascia board. The raised edge trims must be bonded to the single support batten with FIX All adhesive. Clout nails should be used to fix the trim onto the OSB3 boards or into the existing flat roof deck. Do not nail the face of the raised edge trim in to the supporting battens. To create a continuous run, overlap the trims by 50mm onto the next and bond with FIX All Adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and catalysed TekGuard Flexi-GRP.



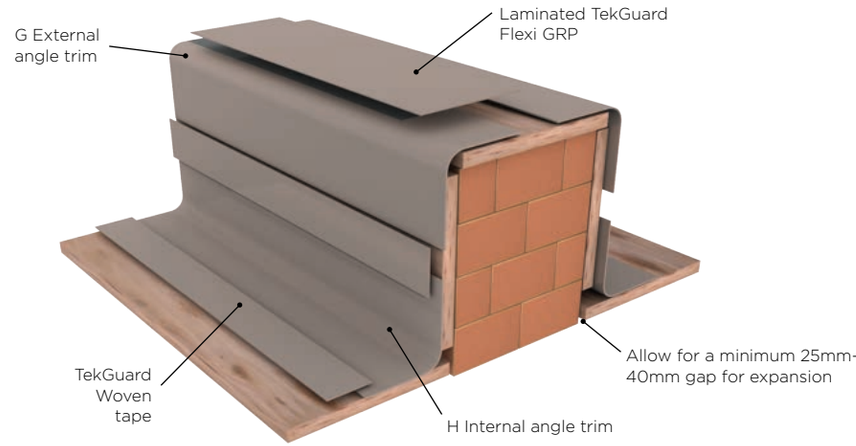
D260/C100 & C150 Wall fillet and simulated lead flashing in situ

D260 fillet trims should be fitted against walls to provide an up-stand and to allow for a minimum 25mm - 40mm gap between the OSB3 deck and the wall. Clout nails should be used to fix the trim to the OSB3 board or to the existing flat roof deck. Do not mechanically fix the D260 wall fillet trim into the brick wall. Finish off by reinforcing the joints TekGuard woven glass tape and catalysed TekGuard Flexi-GRP. Once the entire roof has been made watertight and is at the base coat stage.
C type flashing trims should be used to complete a water tight finish, rebate the mortar line above the D260 trim to a depth of 35 - 45mm. The edge of the C type trim should be fitted into the rebate and sealed with Fix All adhesive. To create a continuous run, overlap by 50mm the first trim with the next and bond with Fix All adhesive. NB do not topcoat the C type trim as it is not required.



F300/F600 & F900 Flat flashing in situ

The F series flat flashing is used when a pitched roof meets a flat roof. Clout nails are used to pin the flat flashing to the deck and up the roof trusses which should run underneath the breathable roofing felt, tiles or slates. The F series flat flashing can also be used to form around vertical surfaces, air vents and protruding pipes. To create a continuous run, overlap the flat flashing trim by 50mm onto the next, bond with FIX All Adhesive and pin using clout nails. Finish off by reinforcing the joints with TekGuard woven glass tape and TekGuard catalysed Flexi-GRP.



G150 & G275 90° External angled trims and H150 & H275 90° Internal angled trims in situ

The G & H series of trims (internal and external) are used to form over a parapet wall, steps or similar features where waterproofing around square edge detail.
Clout nails should be used to fix the trim to the OSB3 board or to the existing deck. To create a continuous run, overlap the flat flashing by 50mm onto the next. Bond with FIX All Adhesive and pin using clout nails. Finish off by reinforcing the joints TekGuard woven glass tape and catalysed TekGuard Flexi-GRP.

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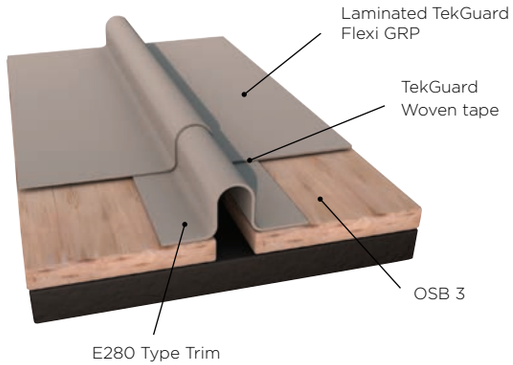
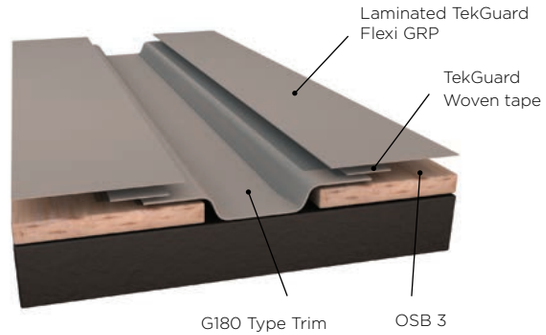
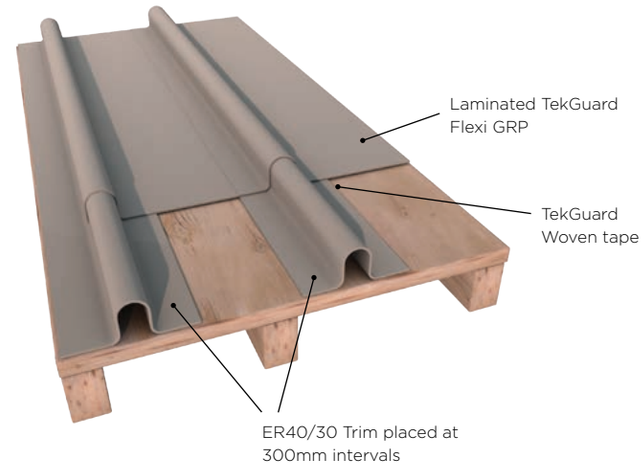




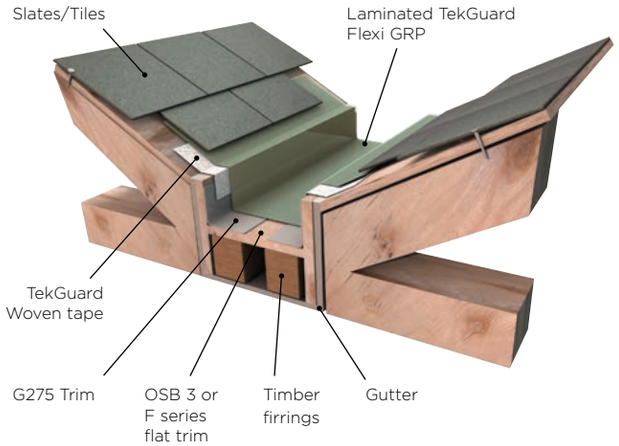


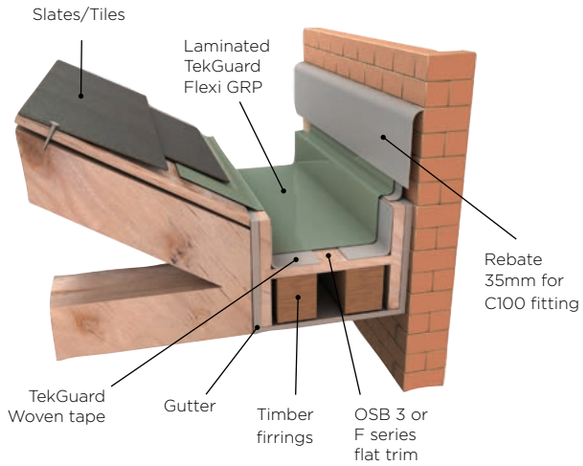
E280 & G180 Expansion joints in situ

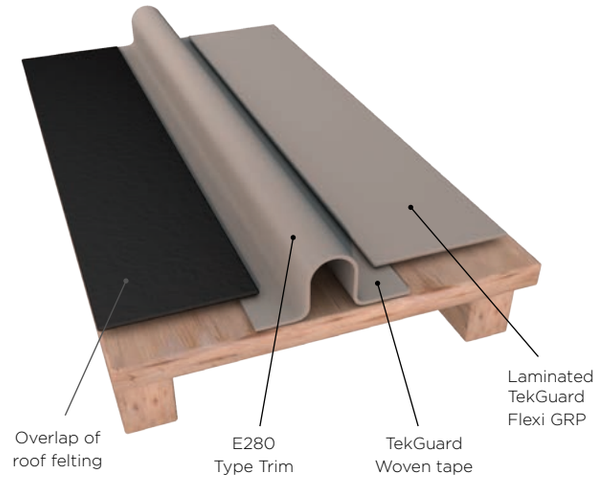
Use either the E280 or G180 gulley trim to form expansion joints on single formed areas over 50m^2. The appropriate width should be cut in the deck to accommodate the trim type used. Either can be used however the G180 gulley trim gives the added benefit of channelling water for drainage. The E280 trim should be finished with a C5 closure. Clout nails should be used to fix the trim to the deck - do not nail the trim to the battens. To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by applying the TekGuard woven glass tape with catalysed TekGuard Flexi-GRP. Allow to go hard and then lightly sand before finishing with catalysed TekGuard Flexi-GRP.

ER40/30 Pre-Formed Rib detail in situ

The ER40/30 trim is used to create the simulation of raised lead roll effect joints. Clout nails should be used to fix the trim to the deck - do not nail the trim to the battens. To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by applying the TekGuard woven glass tape with catalysed TekGuard Flexi-GRP.
Allow to go hard and then lightly sand before finishing with catalysed TekGuard Flexi-GRP. Use C6 closures to finish the ends.







Repairing box gutters within pitched roofs and up against walls

To raise the slates/tiles lay a OSB 3 the length of the roof and then use cut lengths into the box gutter supported by firrings to create a surface to form a sealed surface with the appropriate trims and laminated GRP. Clout nails should be used to fix the trim to the deck - do not nail the trim to the battens. To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and TekGuard catalysed Flexi-GRP.

E280 Pre-Formed Rib to form a joint to a felt roof in situ

The E280 can be also used to form a joint between an existing felt roof and the GRP roof, by lifting the adjoining felt and bond the trim with Fix-All adhesive both to the felt and the deck, use an additional bead where the lip of the felt meets the trim to form a watertight seal. Clout nails should be used to fix the trim to the deck. To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and TekGuard catalysed Flexi-GRP.
Use C5 closures to finish the ends.

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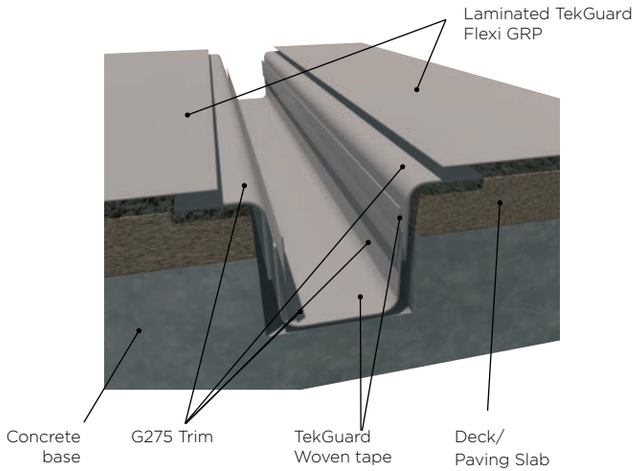

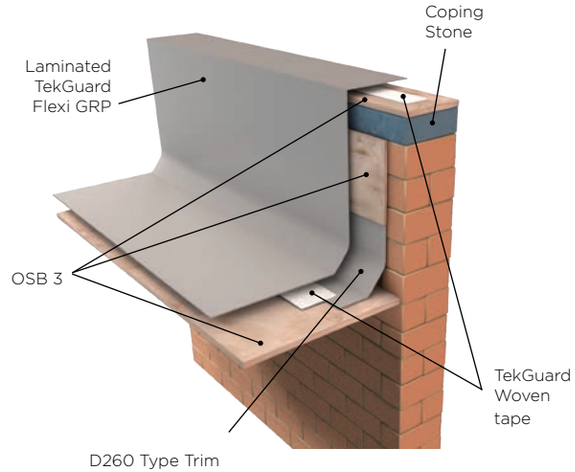

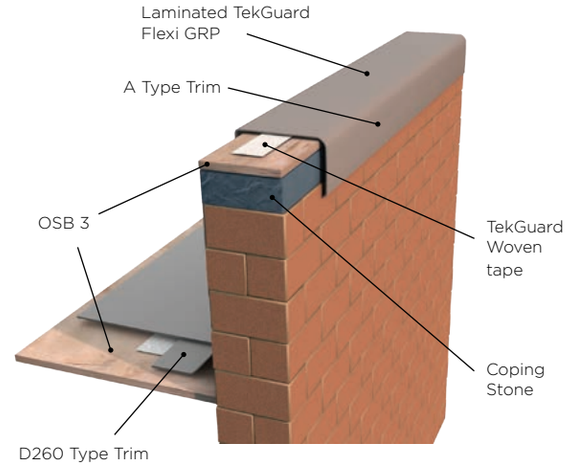

G275 Trim to form gulley detail in situ

Use the G275 to form the shoulders of the gutter and the base of the gulley, fix with nails if boarded and use Fix-All adhesive in both instances if bonding to concrete. Tape all joints to ensure a strong gulley.
To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and TekGuard catalysed Flexi-GRP.

Forming GRP over parapet wall with coping stone in situ

To ensure a fully sealed system is achieved when laying roofs with parapet walls it is strongly advised to form the GRP up the vertical of the wall over the coping stone and terminating in a A type drip trim
Lay the GRP in the normal manner using a D260 upstand then use the F series flashing up the wall and an A type drip trim to finish the drop on the back face of the parapet. Clout nails should be used to fix the trim to the deck - do not nail the trim to the battens. To create a continuous run overlap by 50mm the first trim with the next and bond with FIX All adhesive. Finish off by reinforcing the joints with TekGuard woven glass tape and TekGuard catalysed Flexi-GRP.

FREQUENTLY ASKED QUESTIONS

Once correctly installed, the TekGuard Flexi-GRP system will remain watertight and look great for many years. The following Q&A's look to answer some of the common questions and highlight potential installation pitfalls to avoid.

1. Does the weather/temperature affect TekGuard Flexi-GRP when installing?

- Yes, high temperature and adverse weather are main reasons that liquid roof installations can fail, so follow these steps to avoid problems.
- Always check local weather forecast.
- In the summer avoid using product above 35°C and in winter below 5°C check the temperature of the deck and materials with an infrared thermometer if unsure.
- Keep materials at an ambient temperature and avoid either leaving outside in cold/sun before commencing work (ideally around 15°C for best performance).
- Avoid catalysing large amounts of TekGuard primer or Flexi-GRP. Ideally 1-2kg for Tekguard Primer and 2-5kg max for TekGuard Flexi-GRP. This avoids the product being incorrectly mixed when catalysing (leading to undercure or uncured streaks, also this will give you the best working time required and avoid having to rush due to mixed product curing in the bucket, leading to costly waste.
- Always avoid the surface/boards from getting wet, NEVER lay onto wet/damp surfaces, if it rains whilst installing always cover.
- Don't apply the TekGuard Flexi-GRP or Flexi-GRP Primer at the height of a hot day (30+ degrees c) in direct sunlight and avoid applying in winter after 3pm as it will take longer to cure as temperatures drop quickly and potentially remain tacky.

2. The TekGuard Flexi-GRP is staying tacky and not going hard or I have streaks of soft areas?

- It is essential you always add Catalyst to every mix, get into a routine of double checking that you've added the catalyst and mixed it thoroughly, most issues are due to the incorrect % addition, not fully mixing to the bottom of the container or forgetting to add catalyst in before applying. Never confuse Acetone cleaner for catalyst. Also always use weight as a measure and not volume i.e litres, as this will under calculate the amount of catalyst required.

  To make sure you have the best mix you can pour half of your full mix (ie 2.5kg if mixing a 5kg batch of TekGuard Flexi-GRP) adding the correct amount of catalyst for the full mix then pour in the remaining 2.5kg and stir thoroughly. This means the catalyst is more evenly dispersed in the mix and not splashed up the sides of the container when poured on top.

3. The TekGuard Primer/Flexi-GRP has gelled or hardened in the bucket before I could use it?

- This is a common problem if either adding too much catalyst or not changing it to suit the temperature or you have mixed too much in one go, the more you mix the hotter it gets if left in the bucket.
  Never mix a full keg.

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4. There are white fibres of the chopped strand mat showing?

- This is due to not applying the correct amount of TekGuard Flexi-GRP and ‘wetting’ out of the CSM fully, always ensure that all fibres are well coated with resin and consolidated with the paddle or fin roller before laying the next row.

5. There are windows, vehicles or vegetation close to the roof, what should I do?

- Try to cover any area that may be affected by spills, splashes or drips with polythene sheeting or similar, when using the paddle/fin roller vigorously this can lead to resin spray that can go beyond the perimeter of the roof. Work the roller steadily and systematically to avoid this and if you do get any liquid on surfaces it can be wiped clean with a clean cloth with a small amount of acetone on. Hardened material will bond to a lot of surfaces and will require mechanical removal, so this is best avoided.

6. There is standing water/ponding on the roof?

- The roof has either not been fitted with adequate fall to allow for drainage or the boards have been laid incorrectly, ponding doesn’t affect the performance of the roof but can be unsightly and should be avoided.

For all technical enquires please call 01604-781702 or email info@kovertek.com

ANCILLARY PRODUCTS

PADDLE ROLLERS	
CODE	DESCRIPTION
KT05015PR	50mm x 15mm PADDLE ROLLER
KT05021PR	50mm x 21mm PADDLE ROLLER
KT05040PR	50mm x 40mm PADDLE ROLLER
KT07015PR	70mm x 15mm PADDLE ROLLER
KT07021PR	70mm x 21mm PADDLE ROLLER
KT07040PR	70mm x 40mm PADDLE ROLLER
KT10015PR	100mm x 15mm PADDLE ROLLER
KT10021PR	100mm x 21mm PADDLE ROLLER
KT10040PR	100mm x 40mm PADDLE ROLLER
KT14015PR	140mm x 15mm PADDLE ROLLER
KT14021PR	140mm x 21mm PADDLE ROLLER
KT14040PR	140mm x 40mm PADDLE ROLLER
KT18021PR	180mm x 21mm PADDLE ROLLER
KT18040PR	180mm x 40mm PADDLE ROLLER
KT22521PR	225mm x 21mm PADDLE ROLLER
KT22540PR	225mm x 40mm PADDLE ROLLER

STEEL BOLT ROLLERS	
KT05010SBR	50mm x 10mm STEEL BOLT ROLLER
KT05015SBR	50mm x 15mm STEEL BOLT ROLLER
KT07010SBR	70mm x 10mm STEEL BOLT ROLLER
KT07015SBR	70mm x 15mm STEEL BOLT ROLLER
KT10010SBR	100mm x 10mm STEEL BOLT ROLLER
KT10015SBR	100mm x 15mm STEEL BOLT ROLLER
KT10020SBR	140mm x 20mm STEEL BOLT ROLLER

ALUMINIUM FINNED ROLLERS	
CODE	DESCRIPTION
KT03512AFR	35mm x 12mm ALUMINIUM FINNED ROLLER
KT07012AFR	70mm x 12mm ALUMINIUM FINNED ROLLER
KT07022AFR	70mm x 22mm ALUMINIUM FINNED ROLLER
KT07030AFR	70mm x 30mm ALUMINIUM FINNED ROLLER
KT10012AFR	100mm x 12mm ALUMINIUM FINNED ROLLER
KT10022AFR	100mm x 22mm ALUMINIUM FINNED ROLLER
KT14012AFR	140mm x 12mm ALUMINIUM FINNED ROLLER
KT14022AFR	140mm x 22mm ALUMINIUM FINNED ROLLER

PLASTIC FINNED ROLLERS	
KT05015PFR	50mm x 15mm PLASTIC FINNED ROLLER
KT05020PFR	50mm x 20mm PLASTIC FINNED ROLLER
KT07015PFR	70mm x 15mm PLASTIC FINNED ROLLER
KT07020PFR	70mm x 20mm PLASTIC FINNED ROLLER
KT10015PFR	100mm x 15mm PLASTIC FINNED ROLLER
KT10020PFR	100mm x 20mm PLASTIC FINNED ROLLER
KT14020PFR	140mm x 20mm PLASTIC FINNED ROLLER

WASHER ROLLERS	
KT05015WR	50mm x 15mm WASHER ROLLER
KT10015WR	100mm x 15mm WASHER ROLLER
KT14015WR	140mm x 15mm WASHER ROLLER

BRISTLE ROLLERS, FRAMES & REFILLS	
CODE	DESCRIPTION
KT05022BRC	50mm x 22mm BRISTLE ROLLER COMPLETE
KT10022BRC	100mm x 22mm BRISTLE ROLLER COMPLETE
KT15022BRC	150mm x 22mm BRISTLE ROLLER COMPLETE
KT05022BRR	50mm x 22mm BRISTLE ROLLER REFILL
KT10022BRR	100mm x 22mm BRISTLE ROLLER REFILL
KT15022BRR	150mm x 22mm BRISTLE ROLLER REFILL
KT05022BRF	50mm x 22mm BRISTLE ROLLER FRAME
KT10022BRF	100mm x 22mm BRISTLE ROLLER FRAME
KT15022BRF	150mm x 22mm BRISTLE ROLLER FRAME

BUBBLE BUSTER ROLLERS	
KT05021BBR	50mm x 21mm BUBBLE BUSTER ROLLER
KT05040BBR	50mm x 40mm BUBBLE BUSTER ROLLER
KT07021BBR	70mm x 21mm BUBBLE BUSTER ROLLER
KT07040BBR	70mm x 40mm BUBBLE BUSTER ROLLER
KT10021BBR	100mm x 21mm BUBBLE BUSTER ROLLER
KT10040BBR	100mm x 40mm BUBBLE BUSTER ROLLER
KT14021BBR	140mm x 21mm BUBBLE BUSTER ROLLER
KT14040BBR	140mm x 40mm BUBBLE BUSTER ROLLER
KT22521BBR	225mm x 21mm BUBBLE BUSTER ROLLER
KT22540BBR	225mm x 40mm BUBBLE BUSTER ROLLER

DISC ROLLERS	
KT0001ADM	ALUMINIUM DISC ROLLER

Tel: 01604 781 702
Email: info@kovertek.com

FIXED RESIN ROLLER & FRAME

CODE	DESCRIPTION
KT003SPRF	3" SINGLE ARM POLYESTER ROLLER & FRAME
KT006SPRF	6" SINGLE ARM POLYESTER ROLLER & FRAME
KT007SPRF	7" SINGLE ARM POLYESTER ROLLER & FRAME
KT009SPRF	9" SINGLE ARM POLYESTER ROLLER & FRAME

RESIN ROLLER FRAMES & REFILLS

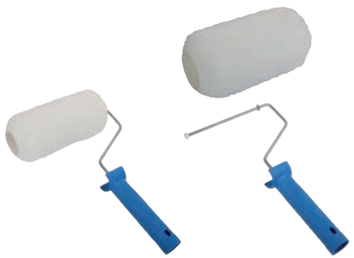
Roller Frames (To fit 18mm Polyester)	
KT003SRF	3" SINGLE ARM ROLLER FRAME
KT006SRF	6" SINGLE ARM ROLLER FRAME
KT007SRF	7" SINGLE ARM ROLLER FRAME
KT009SRF	9" SINGLE ARM ROLLER FRAME
18mm Polyester Long Pile woven fabric Resin Refills	
KT003PRR	3" SINGLE ARM POLYESTER ROLLER REFILL
KT006PRR	6" SINGLE ARM POLYESTER ROLLER REFILL
KT007PRR	7" SINGLE ARM POLYESTER ROLLER REFILL
KT009PRR	9" SINGLE ARM POLYESTER ROLLER REFILL
Roller Frames (To fit 13mm Pile Nylon Refills & 4mm Pile Velour Refills)	
KT006PFRF	6" PUSH FIT ROLLER FRAME
KT007PFRF	7" PUSH FIT ROLLER FRAME
KT010PFRF	10" PUSH FIT ROLLER FRAME

13mm Nylon Medium Pile woven fabric Resin/Topcoat Refills	
KT0530NRR	5" NYLON ROLLER 30mm CORE
KT0641NRR	6" NYLON ROLLER 41mm CORE
KT0748NRR	7" NYLON ROLLER 48mm CORE
KT1048NRR	10" NYLON ROLLER 48mm CORE
4mm Velour Short Pile woven fabric Topcoat/Gelcoat Refills	
KT0530VRR	5" VELOUR ROLLER 30mm CORE
KT0641VRR	6" VELOUR ROLLER 41mm CORE
KT0748VRR	7" VELOUR ROLLER 48mm CORE
KT1048VRR	10" VELOUR ROLLER 48mm CORE
Roller Frames (To fit 4" Nylon & 4mm Velour Refills)	
KT0410MRF	4" MINI ROLLER FRAME 10" LONG
KT0416MRF	4" MINI ROLLER FRAME 16" LONG
4" Nylon Refills	
KT0415NMR	10pk 4" NYLON MINI ROLLER 15mm CORE
KT0430NMR	10pk 4" NYLON MINI ROLLER 30mm CORE
4" Velour Refills	
KT0415VMR	10pk 4" VELOUR MINI ROLLER 15mm CORE
KT0415VMR	10pk 4" VELOUR MINI ROLLER 30mm CORE

LAMINATING, GELCOAT & TOPCOAT BRUSHES

CODE	DESCRIPTION
Synthetic Laminating Brushes (High Quality Gelcoat Brush)	
KT005GCB	0.5"
KT010GCB	1"
KT015GCB	1.5"
KT020GCB	2"
KT030GCB	3"
KT040GCB	4"
Natural White Bristle Laminating Brushes - plastic handle	
KT005NLP	0.5"
KT010NLP	1"
KT015NLP	1.5"
KT020NLP	2"
KT030NLP	3"
KT040NLP	4"
Natural White Bristle Laminating Brushes - wooden handle	
KT005NLW	0.5"
KT010NLW	1"
KT015NLW	1.5"
KT020NLW	2"
KT030NLW	3"
KT040NLW	4"

KT100PGL	Disposable Powdered Gloves (Box 100) - Large
KT100PGXL	Disposable Powdered Gloves (Box 100) - X Large



TEKGUARD®

FLEXI-GRP

15 YEAR GUARANTEE

20 YEAR GUARANTEE

25 YEAR GUARANTEE

- ✓ 15-year (300g CSM), 20-year (450g CSM) or 25-year (600g CSM) Materials Guarantee when installed correctly, please contact us for further details of the guarantee conditions.
- ✓ TekGuard is a single high-performance flexible resin without the need for separate base and topcoat and can be used as a wet on wet system.
- ✓ Can be applied onto multiple surfaces both new and existing such as Felt, OSB3, GRP, concrete and asphalt.
- ✓ Quick application and a range of cure times to suit the environment, saving both time and money for you and your customers.
- ✓ Cold applied, no hot works or open flame risks
- ✓ Class beating Fire rating. Tested as a Flat Roofing System applied to OSB3 and has achieved both:
  BS 476-part 3 test:- EXT.F.AA; EN 1187 test 4 – BROOF(t4)
- ✓ Superior 'wet-out' of fiberglass reinforcement (CSM).
- ✓ Uses a liquid catalyst system that removes the need for adding other products to speed up or slow down the cure.
- ✓ TekGuard/TekShield branded ancillaries means you can carry for use on either the TekGuard or Tekshield systems without having to carry different ancillaries such as Catalysts, CSM, tape etc
- ✓ Reduces the need for full roof replacement where suitable, reducing the environmental impact and cost of waste disposal.

***Please see full guarantee's for conditions**

KoverTek

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NB: Please refer to the Guarantee certificates for full term and condition prior to purchasing to ensure conditions are met to avoid invalidation.

www.kovertek.com

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