

Triflex BBS

Model specification

Fast curing, liquid applied, fully reinforced, buried waterproofing system for walkways, balconies and terraces

J31 Liquid Applied Waterproof Roof Coatings

To be read with Preliminaries / General Conditions.

Liquid Applied Waterproof Roof Coating Reference

Triflex BBS

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Generally

Apply Triflex BBS system fully in accordance with Manufacturer's System Data Sheet (Appendix), standard Sketch Details (Appendix), and project specific Sketch Details (Appendix).

Substrate Assessment

Assess substrate in accordance with Triflex BBS System Data Sheet..

Substrate Preparation

Prepare substrate in accordance with Triflex BBS System Data Sheet.

Priming

Apply Triflex primer in accordance with Triflex BBS System Data Sheet.

Primer reference: Triflex Cryl Primer 222 / Triflex Cryl Primer 276 / Triflex Pox R103.

Surface Repairs and Filling

Repair and fill surface in accordance with Triflex BBS System Data Sheet.

Filling reference: Triflex Cryl RS233 / Triflex Cryl Paste / Triflex Cryl RS240 / Triflex Cryl Mortar / Triflex Cryl Paste Mortar.

Interface Details

Apply interface details in accordance with Triflex BBS System Data Sheet, standard Sketch Details and project specific Sketch Details.

General details reference: Triflex ProDetail® with 110g Reinforcement.

Complex details reference: Triflex Cryl R295.

Main Area

Apply waterproofing to main deck area in accordance with Triflex BBS System Data Sheet.

Waterproofing reference: Triflex ProTerra® with 110g Reinforcement.

Optional Heavy Duty Wearing Course

(delete as applicable)

Where the membrane is to be overlaid with tiles or structural elements e.g. walls which require a key to the membrane.

Apply wearing course to main deck area in accordance with Triflex BBS System Data Sheet.

Wearing course reference: Triflex ProTerra®.

Aggregate reference: crystal quartz / basalt.

Optional Finish

(delete as applicable)

Where the details or deck are visible or partially visible and a coloured finish is required.

Apply finish in accordance with Triflex BBS System Data Sheet.

Finish reference: Triflex Cryl Finish 205.

Finish colour references: INSERT.

Overlay Options:

(delete as applicable)

Tiles

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, fix tiles to Heavy Duty Wearing Course using proprietary exterior grade, solvent free epoxy or polyurethane adhesive and grout.

Tile adhesive reference: INSERT.

Tile grout reference: INSERT.

Tile reference: INSERT.

Paving with Supports

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, loose lay proprietary 300g/m² non-woven polyester fleece slip layer on top of cured Triflex waterproofing membrane - side and end laps 100mm minimum. Loose lay minimum 10mm thick rubber crumb protection mat or other similar load bearer to isolate paving supports from Triflex membrane.

Install paving on proprietary supports.

Slip layer reference: INSERT.

Protection mat reference: INSERT.

Paving support reference: INSERT.

Paving reference: INSERT.

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Insulation with Paving

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, loose lay proprietary 300g/m² non-woven polyester fleece slip layer on top of cured Triflex waterproofing membrane - side and end laps 100mm minimum.

Install proprietary loose laid extruded polystyrene insulation or other approved rigid insulation sufficient to achieve relevant U values in accordance with manufacturers' instructions and technical information. Loose lay proprietary 300g/m² non-woven polyester fleece filtration layer on top of insulation - side and end laps 250mm minimum to prevent silt ingress.

Install paving on proprietary supports.

Slip layer reference: INSERT.

Insulation reference: INSERT.

Filtration layer reference: INSERT.

Paving support reference: INSERT.

Paving reference: INSERT.

Paving with Bedding Mortar

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, loose lay two protection layers of proprietary polyethylene based Damp Proof Membrane (DPM) minimum 300µm thickness, side and end laps 150mm minimum with taped joints.

Install minimum 50mm dry, weak sand and cement mix and paving to BS7263:Part 1: 2001.

Protection layers reference: INSERT.

Bedding reference: INSERT.

Paving reference: INSERT

Cementitious / Structural Overlay

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, loose lay two protection layers of proprietary polyethylene based Damp Proof Membrane (DPM) minimum 300µm thickness, side and end laps 150mm minimum with taped joints.

Note: Where optional Heavy Duty Wearing Course installed there is no requirement for polyethylene protection layers.

Install cementitious / structural overlay.

Protection layers reference: INSERT.

Cementitious / structural overlay reference: INSERT

Decking

Test waterproofing membrane by water test or electronic leak detection and when proven 100% free from defects, loose lay proprietary 300g/m² non-woven polyester fleece slip layer on top of cured Triflex waterproofing membrane - side and end laps 100mm minimum. Loose lay minimum 10mm thick rubber crumb protection mat or other similar load bearer to isolate decking from Triflex membrane.

Install decking to be free standing with no penetrations into the membrane.

Slip layer reference: INSERT.

Protection mat reference: INSERT

Decking reference: INSERT.

Required System Properties

- Totally waterproof, thick layer system (>2mm Dry Film Thickness)
- Fully reinforced liquid applied materials
- Seamless - with no joints, seams or fixings
- Elastomeric and dynamic crack bridging
- ETA certified waterproofing membrane - no. 04/0019 (25 year durability statement)
- Totally cold applied
- Exceptionally fast curing
- Can be applied at low temperatures (-5 °C)
- Bridges unforeseen cracks
- Resistant to flexural fatigue
- Hydrolysis resistant - resistant to standing water
- Based on highly advanced PMMA technology
- Tough, highly impact resistant
- Durable - resistant to static and dynamic loads
- Suitable for use in all European climatic zones
- Quick and easy to apply
- Compatible with a wide range of substrates
- Suitable for all common walkway, balcony and terrace constructions
- Fire resistant:
 - German Standard
Test method 1/prENV 1187; Classification B roof (t1) prEN 13501-5
 - Nordic Standard Nordtest NT Fire
Test method 2/prENV 1187; Classification B roof (t2) prEN 13501-5
 - French AFNOR Standard
Test method 3/prENV 1187; Classification B roof (t3) prEN 13501-5
- Fully bonded with excellent inter layer adhesion
- Chemical resistant
- Resistant to Chloride and Carbon Dioxide ingress
- Vapour permeable
- UV resistant
- Solvent free
- Isocyanate free
- Halogen free
- Tailored design options
- 10 year materials warranty as standard
- Optional extended warranties available

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General Notes

The Triflex BBS System Data Sheet, standard Sketch Details and project specific Sketch Details are to be read as an integral part of this specification.

The Triflex Approved Contracting Partner is to install all details to comply with the Triflex BBS standard Sketch Details, any project specific Sketch Details and Triflex project specific recommendations. Should any detail arise where the treatment is not clear, the Contractor must seek advice and approval from Triflex (UK) Limited prior to commencing the works.

It is the Contractor's responsibility to ensure that the substrate is suitable and that the system is applied in all areas in accordance with System Data Sheets, Application Guidelines and ETA certificate in force at the time.

Notes to Specifiers

We recommend that for all walkway, balcony and terrace projects, the actual specification clauses for the Triflex waterproofing, surfacing and protection systems are prepared by the Triflex Technical Team.

This information can then be provided in a text format for insertion into Word and other documents.