

Outline Specification

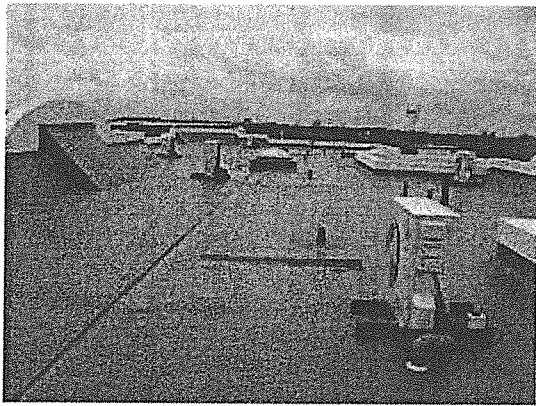
Polyroof 185 System
Warm Roof

Timber Joists
(New Build or Refurbishment)
(0.18 U-Value)

Please note that this is an outline specification only and may be subject to further site investigation by Polyroof Products Ltd Technical Department.

1. Introduction

The following guideline specification is based on application of the advanced Polyroof 185 System in conjunction with a Warm Roof Design.



Polyroof 185 warm roof system installed on a new development

The Polyroof 185 System, when installed by a Polyroof approved contractor will provide the client with the following important benefits:

- ✓ **Insulated to the highest standards**
The approved contractor will provide high performance PIR insulation to provide environmental and financial benefits in terms of reduced energy consumption and lower fuel bills.
- ✓ **Long term maintenance free waterproofing**
Advanced long-term waterproofing with a finish that can be easily cleaned. No costly repair or maintenance for the next 20 – 30 years at least. Polyroof 185 also has a BBA durability rating of 30 years.
- ✓ **Quick-curing, robust membrane**
Polyroof 185 cures rapidly to form a tough and impact-resistant waterproof membrane. This reduces the risk of damage by other trades during construction and installation periods.
- ✓ **Seamless membrane**
The Polyroof 185 system provides a seamless membrane that eliminates the risk of water ingress at the weak points associated with the lap joints of sheeted roofing materials.
- ✓ **Cold applied for maximum safety and minimum disruption during application**
All Polyroof systems are cold applied so there are none of the safety risks associated with the open flames and hot torches used with traditional roll-applied systems.
- ✓ **Independent 20 year guarantee for complete peace of mind**
All Polyroof 185 installations carry manufacturers insurance backed 20 year guarantee.

All Polyroof systems are installed by our network of approved contractors, who are trained and monitored under our BS EN ISO 9001 quality system to ensure that you receive the highest quality roofing service.

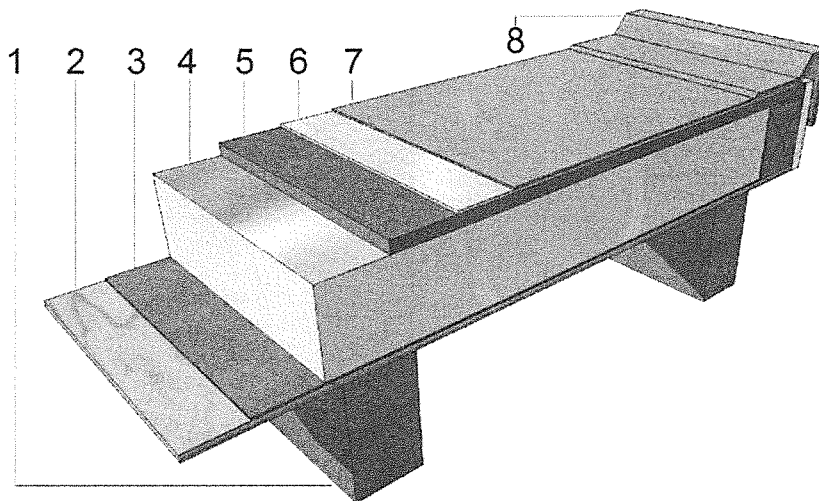
Please note that this guideline specification is based on preliminary discussions only. We welcome the opportunity to discuss this project further to finalise a proposal that's tailored to your exact requirements.

2. Specification Summary

2.1. Overview

The following proposal is for a new waterproofing system in conjunction with thermal insulation to achieve a U-Value of 0.18 W/m²K. The client/specifier should ensure that this meets the required building regulations standards in terms of conservation of fuel and power.

2.1.1. Proposed Construction



1. Timber joists at 400mm centres (Plasterboard ceiling installed to the underside)
2. Min. 12mm plywood deck / OSB3 deck
3. Existing waterproof covering made good and retained as a VCL or 1000 gauge visqueen VCL laid
4. 120mm Polyroof approved PIR insulation (e.g. Kingspan Thermaroof TR26)
5. 18mm Polyroof approved plywood / OSB3 (TG4) deck
6. PolyBase and Polymat 450
7. Polyroof 185C Flexi-Resin Top Coat
8. Pre-formed Polyroof GRP upstand trim

Please consult Polyroof Products Ltd Technical Services for further advice and options regarding the following:

- Roofs where there is a high risk of condensation occurring such as a roof above a swimming pool.
- Roofs where there are excessive plant loadings.
- Insulation thicknesses in excess of 150mm as careful consideration should be given due to the potential length of mechanical fixings required.

Important - No deviation to the proposed construction or substitution of materials will be permitted unless advanced approval is obtained from Polyroof Products Technical Services.

3. Roof Details

The following are typical roof details. Please note site investigation may be required to identify all roof details and to determine the required action to ensure they are left in a fully watertight condition. A comprehensive range of CAD details are available for download from www.polyroof.co.uk

1. Flashing (Lead or GRP)
2. Fillet trim
3. Vapour Control Layer
4. Polyroof 185 System
5. 18mm Polyroof Approved Plywood / OSB3 (TG4) Deck
6. PUR Insulation eg Kingspan TherमारooF TR26

NOTES

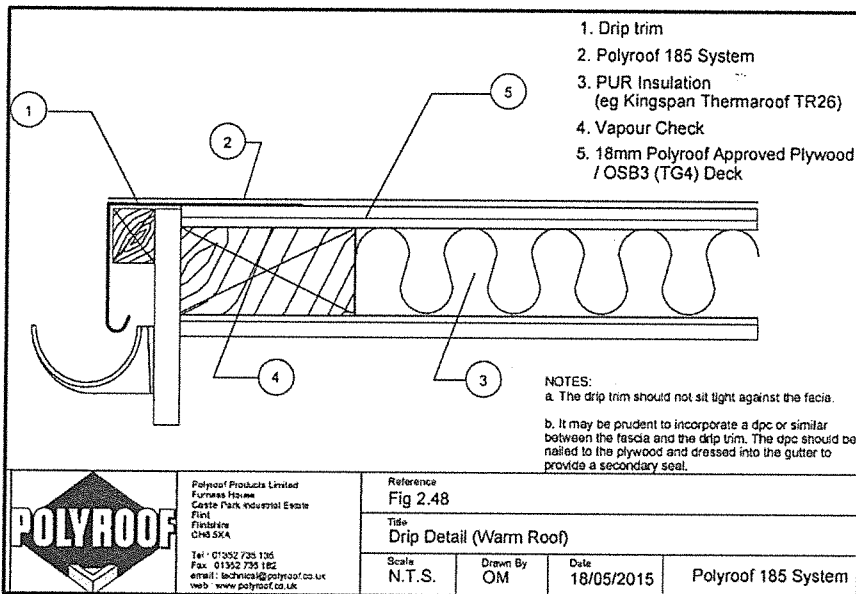
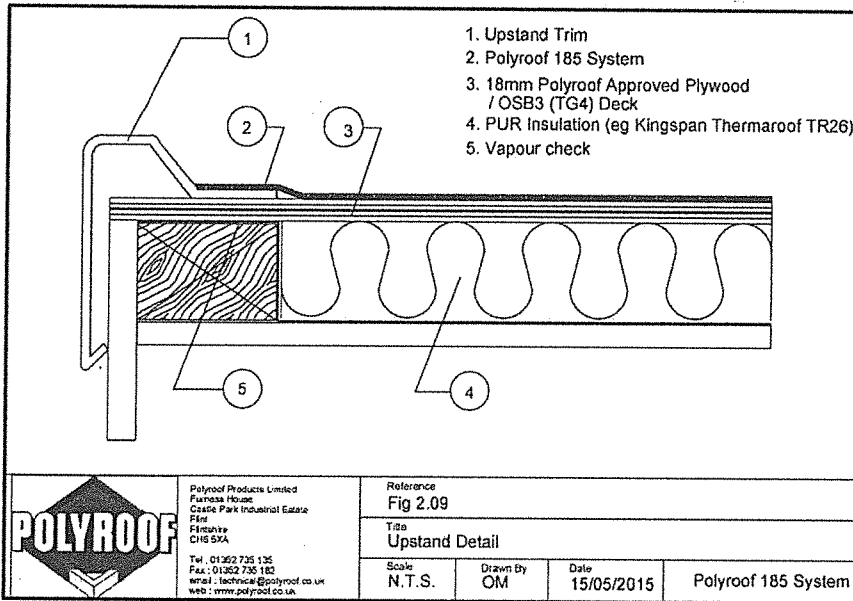
- a. Flashing can be either lead or GRP
- b. As per standard building practice, care must be taken positioning the flashing with regard to any cavity tray.
- c. On balconies the fillet trim may be substituted with a reverse right angle trim. Ref Fig 2.07.
- d. A temporary or secondary seal may be achieved by applying a bead of silicon sealant to the back of the fillet trim.
- e. It should be noted that flashing details are not covered by the Polyroof guarantee

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		Title	Wall Abutment (Fillet Trim)		
		Scale	Drawn By	Date	
		N.T.S.	OM	14/04/2015	Polyroof 185 System

1. Polyroof Pre-formed Fillet trim
2. 75mm Glassfibre Tape (2 layers) or Pre-formed Drip Trim with lip removed
3. Polyroof Pre-formed Drip trim.

Note
 Extended Leg Fillet Trims may be used where required (Maximum height 400mm). For higher parapets use 18mm Polyroof approved plywood / OSB3 (TG4) to vertical face as standard parapet detail 2.13.

	Polyroof Products Limited Furness House Castle Park Industrial Estate Fleet Hampshire GU10 5JA Tel: 01352 735 135 Fax: 01352 735 162 email: technical@polyroof.co.uk web: www.polyroof.co.uk	Reference	Fig 2.35		
		Title	Low Parapet Wall Detail		
		Scale	Drawn By	Date	
		N.T.S.	OM	19/05/2015	Polyroof 185 System



Notes:

Care should be taken to ensure all roof details are treated in accordance with the Polyroof 185 Application Manual.

Roof termination details should have a minimum 150mm upstand height above the finished surface of the roof and should be terminated behind a suitable cover flashing or weathering flange. Any details where this cannot be achieved will require periodic inspection and maintenance.

All redundant roof details are to be removed prior to the commencement of works. The roof area underneath is to be made good as required, ensuring that it matches the build-up of the surrounding roof area.