

Gravel Fire & Vegetation Break, 500mm wide by 50mm deep, comprising 20-40mm Rounded Washed Stone or concrete paver. Fire Breaks to be installed at all external wall abutments and through deck penetrations i.e. rooflights, outlets etc. Subject to agreement by the Fire Officer/Fire Consultant it may be possible to reduce the Fire & Vegetation Break to 300mm. On larger areas roofs install 1000mm Fire & Vegetation Breaks every 40 linear meters. All in accordance with Radmat NBS specification Q37/440

Gravel Stop Retention Barrier

Min. 120mm Post-Settlement Substrate Depth

Radmat MedO Wildflower Seed Mix, Plug Plants or Pre-Grown Blanket in accordance with Radmat NBS specification Q37/400 & 800

Radmat MedO GM30 Wildflower Growing Media in accordance with Radmat NBS specification Q37/390 & 790

Radmat MedO G11 Filtration Fleece in accordance with Radmat NBS specification Q37/360 & 770

Radmat MedO D25 Drainage & Reservoir Board in accordance with Radmat NBS specification Q37/350 & 780


Radmat ProTherm XENERGY™ MinK Water Flow Reducing Layer in accordance with Radmat NBS specification J31/130 & 354

Radmat ProTherm G XENERGY™ ULTRA™ (XPS) Extruded Polystyrene Insulation Boards to achieve required U-value in accordance with Radmat NBS specification J31/130 & 340

Radmat Protection Sheet in accordance with Radmat NBS specification J31/780

Radmat PermaQuik PQ6100 Hot Melt Waterproofing System in accordance with Radmat NBS specification J31/130 & 353

Structural Deck prepared in accordance with Radmat NBS Specification J31/110

<div>Indicative U-value* (W/m²K)</div> <div>Insulation Thickness (mm)</div> <div>Complete System Weight (kg/m²)</div>	General Design Information Upstand Heights		Regulatory, Standards & Guidance Compliance						<div>This drawing (in electronic or paper format) and the copyright thereon are the property of Radmat Building Products Ltd and must not be reproduced in part or in whole or passed on to others without permission.</div> <div><ul style="list-style-type: none">• *U-values are indicative, for project specific U values contact Quantum@radmat.com• For NBS Specifications contact techenquiries@radmat.com• For further product information go to https://radmat.com/category/product-data/• Do not scale from .PDF files of this drawing, only scale from .DWG files.• All dimensions in mm unless otherwise noted• FLOORMATE™, PERIMATE™, STYROFOAM™, XENERGY™ are Trademarks of DDP Specialty Electronic Materials US, Inc. ("DDP") or an affiliated company of DDP</div>									
			Building Regulations		Design		Fire				Wind		Thermal		Drainage/Blue Roof		Green Roof	
	Perimeter Upstands 150mm		The Building Regulations 2010 (England and Wales) (as amended)		BS EN 1992-1-1:2004+A1:2014 Eurocode 2: Design of concrete structures. General rules and rules for buildings		BS 476-3:2004 Fire tests on building materials and structures. Classification and method of test for external fire exposure to roofs				BS EN 1991-1-4:2005+A1:2010 Eurocode 1 Eurocode 1. Actions on structures. General actions. Wind actions		ETAG 031-1 Guideline for European technical approval of inverted roof insulation kits. Part 1: general (ETAG 031) BS5250:2011+A1:2016 Code of practice for control of condensation in buildings		BS EN 12056-3:2000 Gravity drainage systems inside buildings. Roof drainage, layout and calculation		GRO Code of Best Practice	
	Door Thresholds 75mm		The Building (Scotland) Regulations 2004 (as amended)		BS6229:2018 Flat roofs with continuously supported flexible waterproof coverings. Code of practice		BS EN 13501-5:2005+A1:2009 Fire classification of construction products and building elements. Classification using data from external fire exposure to roofs tests				BRE DIG 311 Wind scour of gravel ballast on roofs		BS EN 15026:2007 Hygrothermal performance of building components and building elements. Assessment of moisture transfer by numerical simulation				BS EN 13948: 2007 This standard, entitled 'Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to root penetration	
	Penetrations 150mm		The Building Regulations (Northern Ireland) 2012 (as amended)		BS 8217 : 2005 Reinforced bitumen membranes for roofing. Code of practice		DD ENV 1187:2002 Test methods for external fire exposure to roofs						BS EN 13164 : 2012 Thermal insulation products for buildings. Factory made extruded polystyrene foam (XPS) products.					
					NHBC Standards, Chapter 7.1 Flat roofs and balconies		BS EN 13501-1 : 2007 Fire classification of construction products and building elements. Classification using test data from reaction to fire tests						BS EN ISO 6946 : 2007 Building components and building elements. Thermal resistance and thermal transmittance. Calculation method					
					LRWA Hot Melt Code of Practice								BRE Report BR 443 : 2006 Thermal performance of buildings					
0.30	80	133.81																
0.24	105	134.66																
0.19	130	135.51																
0.17	145	136.02																
0.15	175	137.04																
0.13	205	138.06																
0.11	235 (105 + 130)	139.08																
0.10	260 (130 + 130)	139.93																
			BBA Certification 97/3336 															
			Durability Statement Life of the Building															
			Inverted Roof ✓															
			Zero Falls ✓															
			Green Roof ✓															
			Blue Roof ✓															
			Fire Performance Statement															
			Unrestricted under the National Building Regulations (EXT.F.AA & Broof t4)															

Radmat

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PermaQuik

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Scale: 1:2.5 @A3
Revision: -

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PermaQuik Inverted Wildflower Green Roof
Build-up