

Memtec Single Ply PVC Membrane Flat Roofing and Waterproofing Technology

Modern efficient performance cost
effective flat roofing systems.
Documented 20 year product
guarantee and BBA confirmed
service life in excess of 35 years.





The Benefits

- A complete range of Memtec Roofing and Waterproofing Single Ply PVC Membranes to suit any type of roof, including all accessories.
- Totally suitable for all flat roof constructions from small domestic to large commercial and industrial size roofing projects.
- Documented 20 year product guarantee.
- British Board of Agrément (BBA) accredited BBA certificate number 14/5144
- BBA confirmed service life of in excess of 35 years.
- UV resistant.
- Self extinguishing.
- Rot proof and high ageing resistance.
- Root penetration resistant.
- Thermofusible laps and seams electrically hot air welded without the requirement of dangerous naked flame or hot bitumen.
- Membranes are mesh reinforced providing maximum dimensional stability both crosswise and lengthwise.
- Vapour permeable, no blisters.
- Low temperature pliability minus 25 degrees centigrade without cracks.
- Can either be mechanically fixed, fully bonded or loose laid and ballasted.
- Lightweight, fast, clean installation.
- Excellent aesthetic appearance.
- Modern efficient performance and cost effective over many years.
- NHBC Standards 2014. NHBC accepts the use of Memtec Single Ply flat roofing membrane types EBM, PBM and PBM-FB for all flat roofs.

Special note for home owners of domestic property

Single Ply PVC membrane roofing and waterproofing systems have now been employed in the main UK commercial and industrial roofing and waterproofing industry for some 40 years.

Millions of square metres have been installed over that period and is part of the main reason for the dramatic decline in the use of old fashioned outdated bituminous felt and asphalt type roof covering systems.

Modern Memtec Single Ply PVC membrane roofing and waterproofing systems are now accessible and available to home owners of domestic property. If you are building a new house, house extension, conservatory or garage or are requiring new roof coverings to the existing flat roofed areas of your property then you should be considering a Memtec Single Ply PVC membrane roofing and waterproofing system which will give you a modern, efficient and cost effective performance over many years.

(Please note an experienced installer should always be employed).



**MEMTEC Modern
efficient performance
cost effective flat
roofing systems**



Rochester Riverside Development Kent

Three apartment blocks, bin and cycle store. 2500m² of **Memtec Single Ply PVC** membrane roof coverings, colour light grey.

Photo courtesy of eDenne.

- Memtec Single Ply PVC Roofing and Waterproofing Systems are suitable for all flat roof situations and can be either mechanically fixed, fully bonded or loose laid and ballasted.
 - Typical specifications are: warm roof, cold roof, roof terrace and green roof (i.e roof garden).
 - Can be applied to most roof deck substrates such as timber, metal, concrete and roof screeds.
 - Can be applied to gutter substrates such as metal, timber and concrete.
 - Totally suitable for existing roof refurbishment projects whereby an insulated or non insulated overlay system/specification can be applied over the existing roof coverings (in most cases) without the need to strip them. Can be applied to bituminous felt, asphalt (with stone chippings removed) and mineral finish felt.
 - Can replicate the appearance of Traditional Metal Roofing Systems such as Lead Roof Coverings by adding timber mop roll battens and Memtec cover flashings (i.e see page 3 of this brochure) and also Zinc Metal Standing Seam Roof Coverings by adding Memtec decarib PVC Profile type roof decoration.
- Memtec Products are not susceptible to theft as they have no re-sale value unlike the actual Lead and Metal Products which do have a re-sale value.
- Generally by employing the Memtec Product against the Traditional Lead and Metal Products a cost saving of approximately fifty percent can be achieved.
- Can be applied to sloping mansard and dormer roof areas and if decorated, as mentioned above, will replicate metal standing seam or lead roll type roof coverings which could be of particular interest for church, religious, traditional and listed type buildings.

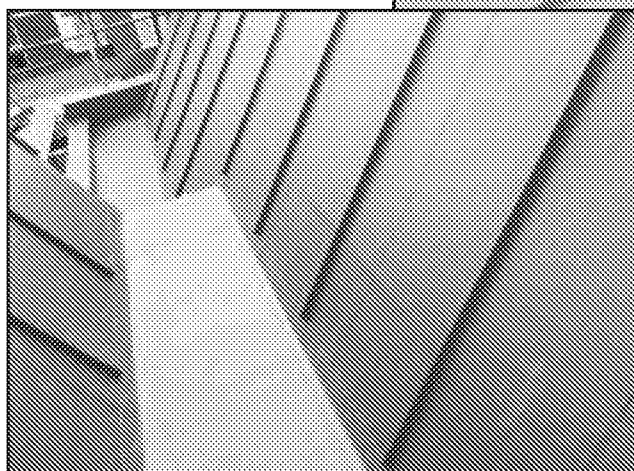
Please carefully note building control regulations should always be consulted when considering an existing roof refurbishment project in regards to the requirement to install insulation to comply with current legal obligations.

Memtec From small domestic to large



New domestic housing project Memtec Single Ply PVC membrane roof coverings with Memtec decarib PVC profiles roof decoration (optional).

New school extension construction project. Memtec Single Ply PVC membrane roof coverings with Memtec decarib pvc profiles roof decoration (optional).



Existing warehouse conversion to domestic housing apartments. Memtec Single Ply PVC membrane roof coverings to pitched roof slopes and gutters with Memtec decarib PVC profiles roof decoration (optional).

Actual traditional lead covered roof on adjoining property.

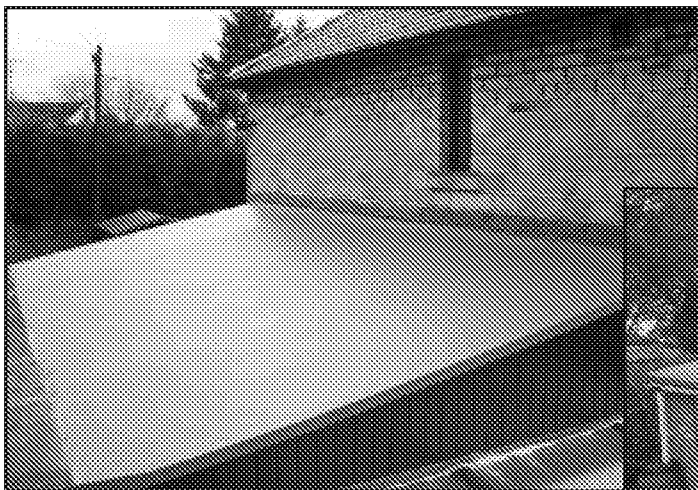


Memtec Single Ply PVC membrane roof with lead roll flashing roof decoration.

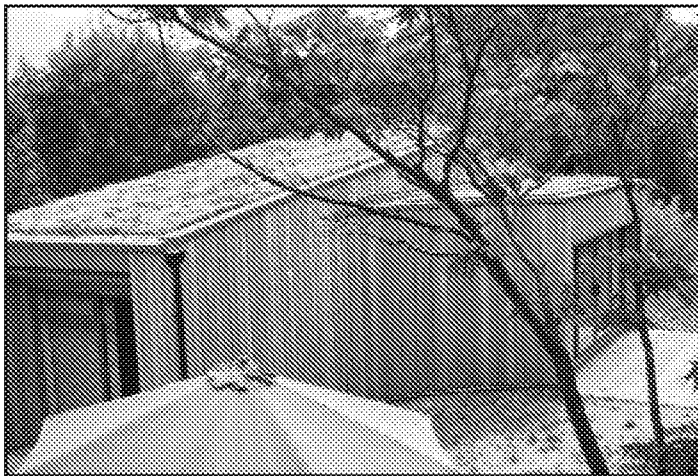
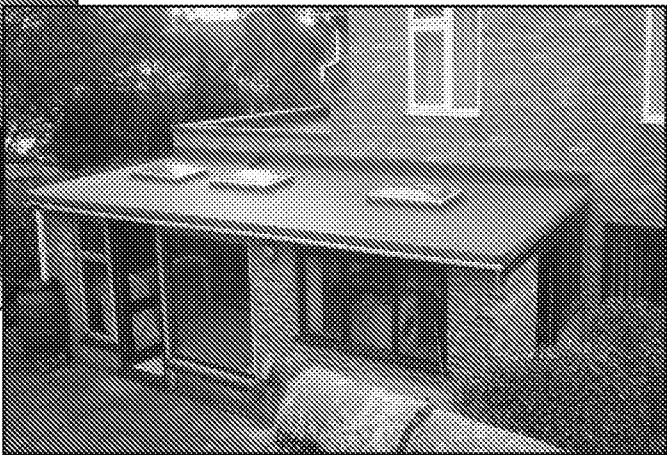


MEMTEC Modern
efficient performance
cost effective flat
roofing systems

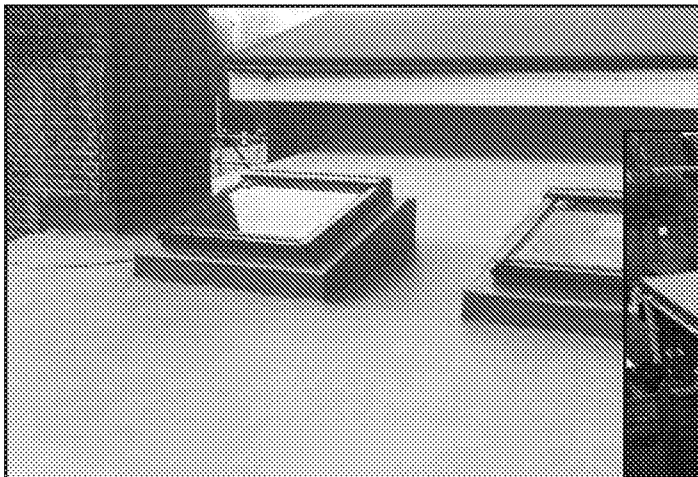
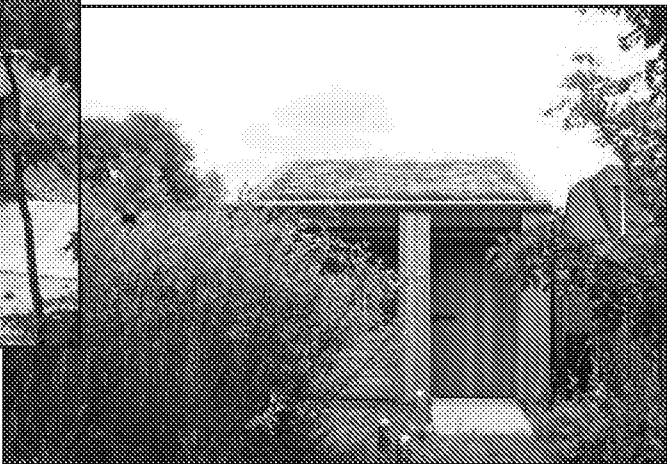
commercial and industrial size roofing projects



Existing roof refurbishment projects employing Memtec Single PVC membrane roof coverings.



New house construction project employing Memtec Single Ply PVC membrane roof coverings and green roof sedum blanket.



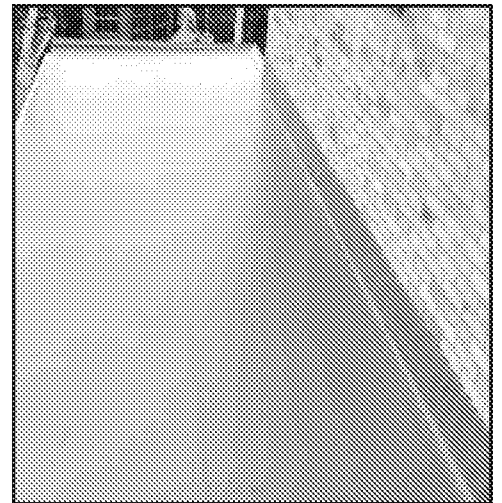
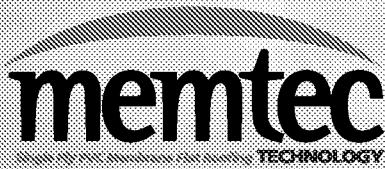
New school extension construction project Memtec Single Ply PVC membrane roof coverings.

Existing roof refurbishment project. Extension and garage roof areas Memtec Single Ply PVC membrane roof coverings.



Memtec From small domestic to large

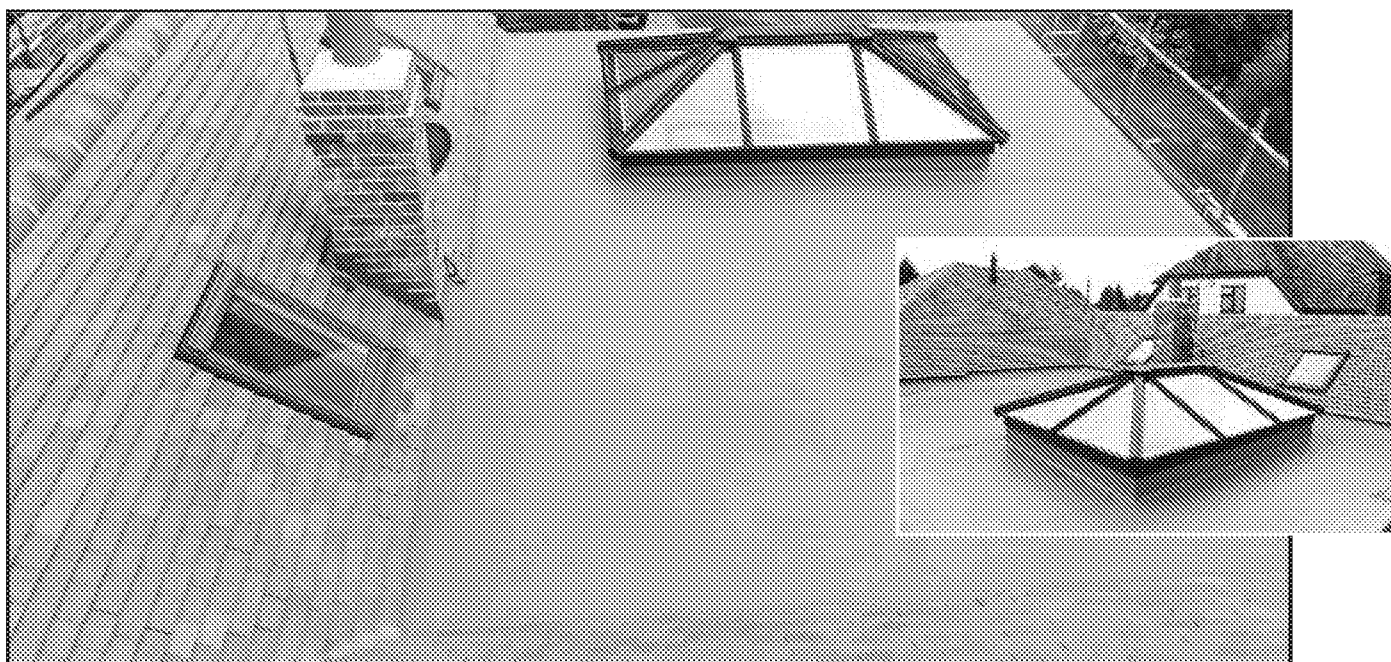
Existing domestic flat roof refurbishment projects employing Memtec single ply pvc membrane roof coverings



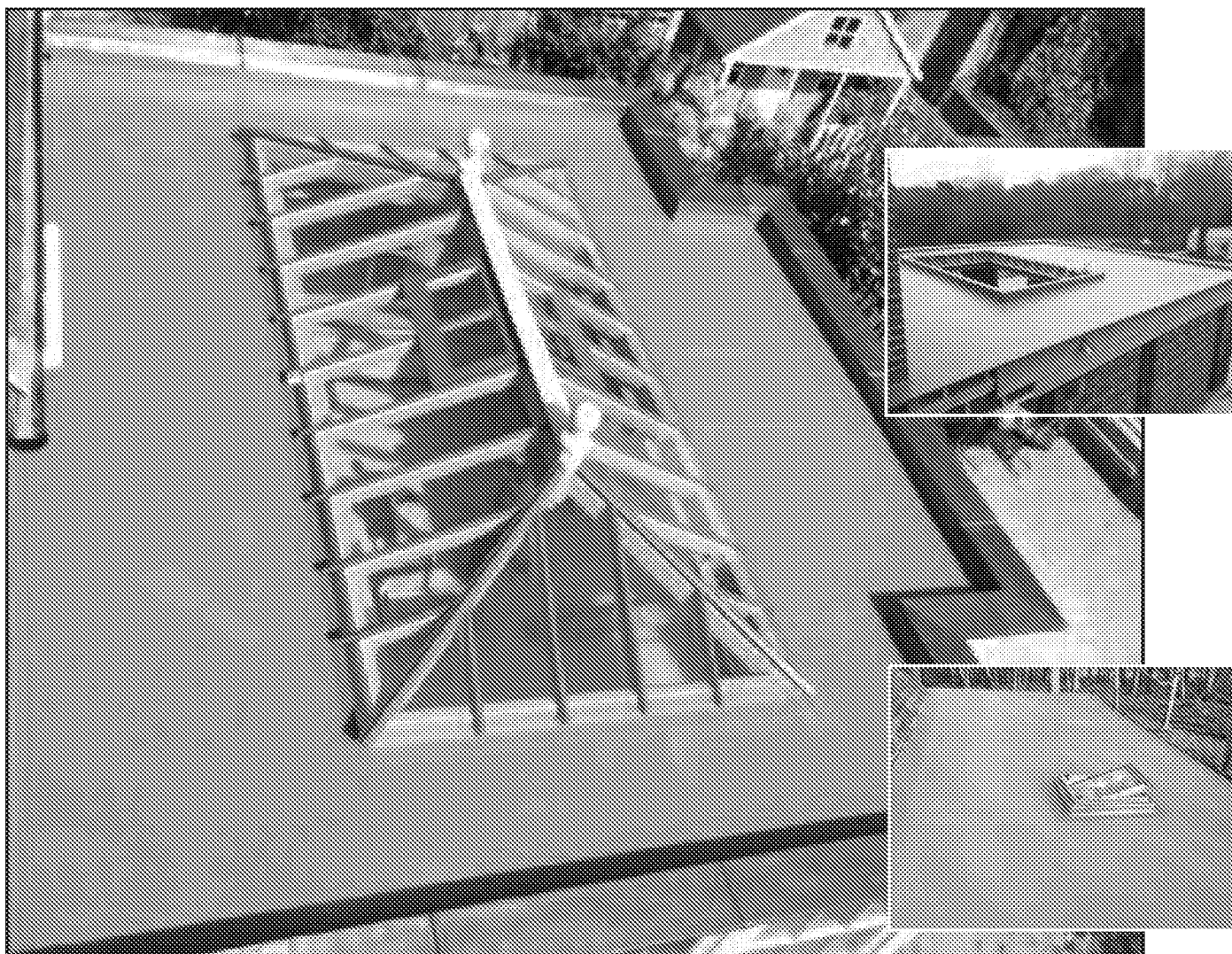
MEMTEC Modern
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commercial and industrial size roofing projects

New build domestic house flat roof project employing Memtec single ply pvc membrane roof coverings



New build domestic house extension flat roof projects employing Memtec single ply pvc membrane roof coverings



Memtec Ltd

Unit A, Brightside
Westfield Sole Road
Boxley
Maidstone
Kent ME14 3EH



Agrément Certificate

14/5144

Product Sheet 1

MEMTEC PVC SINGLE-PLY ROOF WATERPROOFING SYSTEMS

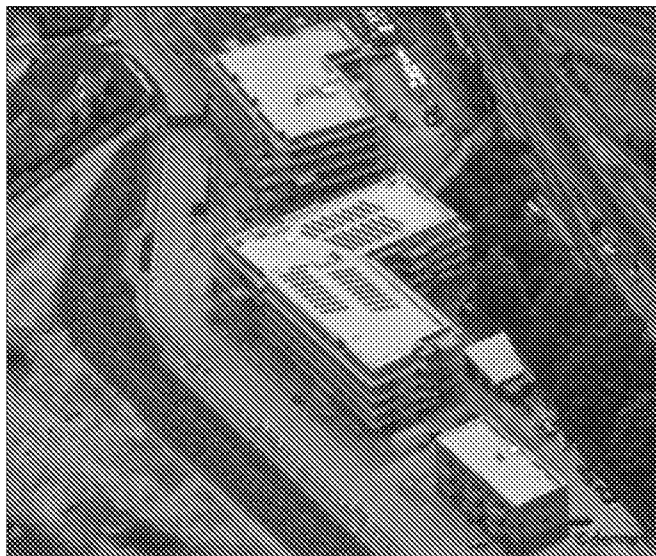
MEMTEC EBM, PBM AND PBM-FB ROOF WATERPROOFING SYSTEMS

This Agrément Certificate Product Sheet⁽¹⁾ relates to Memtec EBM, PBM and PBM-FB Roof Waterproofing Systems, a range of fully bonded and loose-laid and ballasted reinforced PVC membranes, for use on limited access roofs in exposed, protected, inverted, roof garden and green roof specifications.

(1) Hereinafter referred to as 'Certificate'.

CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



KEY FACTORS ASSESSED

Weathertightness — the systems will resist the passage of moisture into the building (see section 6).

Properties in relation to fire — the systems will enable a roof to be unrestricted under the Building Regulations (see section 7).

Resistance to wind uplift — the systems will resist the effects of any likely wind suction acting on the roof (see section 8).

Resistance to foot traffic — the systems will accept the limited foot traffic and loads associated with installation and maintenance (see section 9).

Resistance to penetration of roots — the 1.5 mm membranes will adequately resist plant root penetration (see section 10).

Durability — under normal service conditions the systems will provide a durable roof waterproofing with a service life in excess of 35 years (see section 12).

The BBA has awarded this Certificate to the company named above for the systems described herein. These systems have been assessed by the BBA as being fit for their intended use provided they are installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Date of First issue: 28 July 2014

Simon Wroe

Head of Approvals — Materials

Claire Curtis-Thomas

Chief Executive

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

British Board of Agrément

Bucknalls Lane

Widford

Herts WD25 9BA

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Single Ply PVC Membrane Flat Roofing TECHNOLOGY

Memtec Product Guarantee Certificate

We, Memtec Limited, undertake to guarantee our products against all manufacturing failures in accordance with the provisions of the Memtec Limited Product Guarantee for the applicable Guarantee Period as specified below, commencing on the date the product was purchased from Memtec Limited.

Product	Thickness	Guarantee Period
Memtec EBM, PBM & PBM-FB	1.5	20 years
Memtec EMF	1.5	20 years

Date of purchase:	Product	Thickness (1.5mm)	Roll Quantity	Batch Number:

Beneficiary:	
Product installation address	
Date of purchase	
Guarantee Period	
Guarantee Number:	

PLEASE NOTE: This Guarantee is subject to the provisions contained in the Memtec Limited Product Guarantee document and care should be taken to comply with the obligations of this Guarantee throughout the Guarantee Period. Failure to do so will render the Guarantee null and void.

Any claim brought under this Guarantee must be made in accordance with the procedure set out in the Memtec Limited Product Guarantee document. Failure to follow the procedure may render the Guarantee null and void.

For Memtec Limited

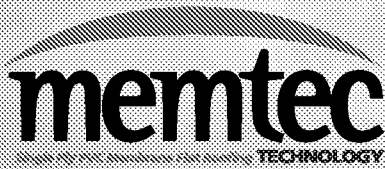
Signature

Print Name

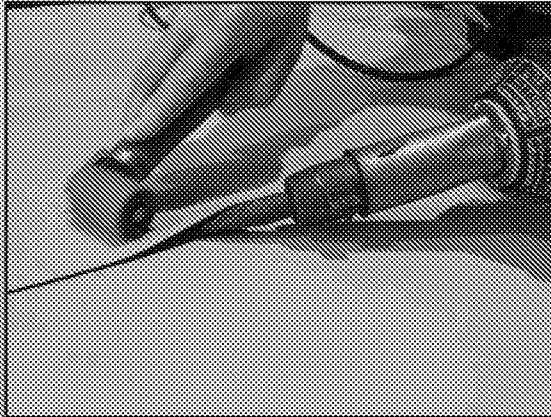
Memtec: Modern Efficient Performance Cost Effective Flat Roofing Systems

Registered in England No. 7964866
Registered Office: Commercial House, High Street, Hadlow, Kent. TN11 0EE
VAT No. 131271259

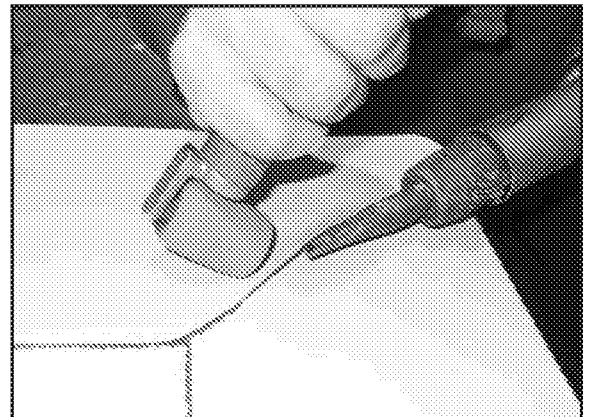
Hot air welding process of the Memtec single Ply PVC membrane and roof detail accessories



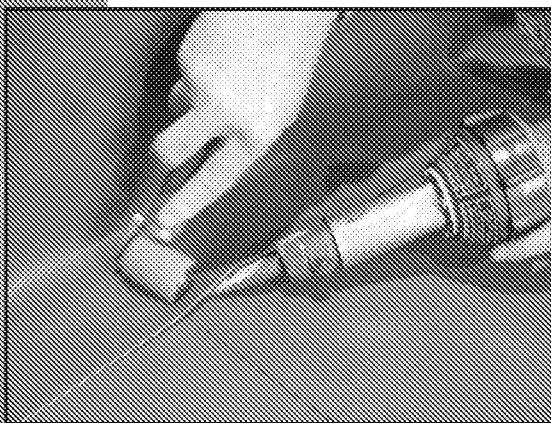
The hot air turns the Memtec Single Ply PVC membrane moulten to both layers, the pressure roller integrates the moulten PVC and as it cools instantly the two layers have become one forming an immensely strong, permanent and watertight seal.



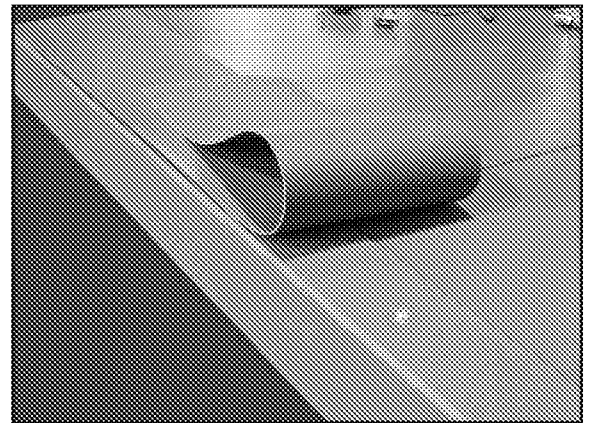
Hot air welding an overlap seam.



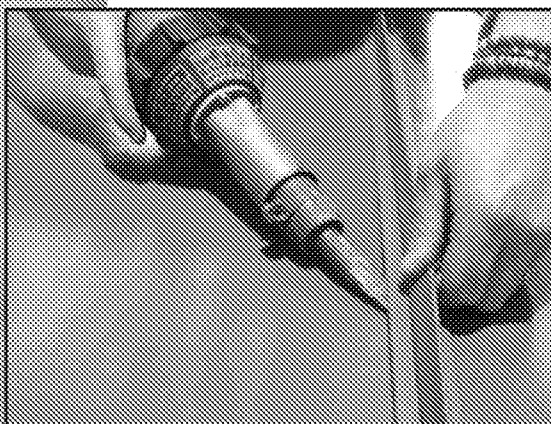
Hot air welding of a cover flashing.



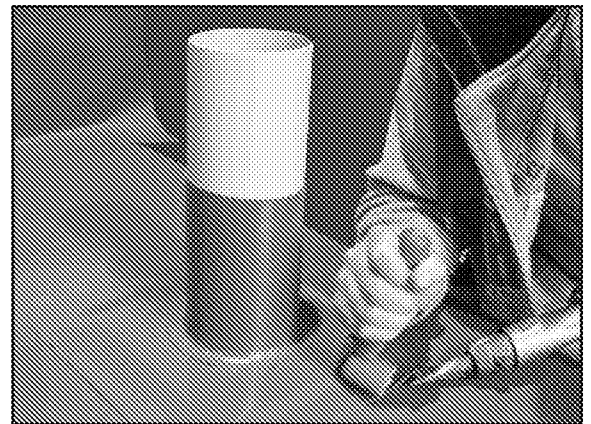
Hot air welding of the upstand flashing to the horizontal area membrane main field sheet.



Roof PVC faced drip edge trim and membrane cover flashing.



Hot air welding of roof decoration type decarib PVC profile (optional).



Installing a pipe flashing and hot air welding to the membrane main field sheet.

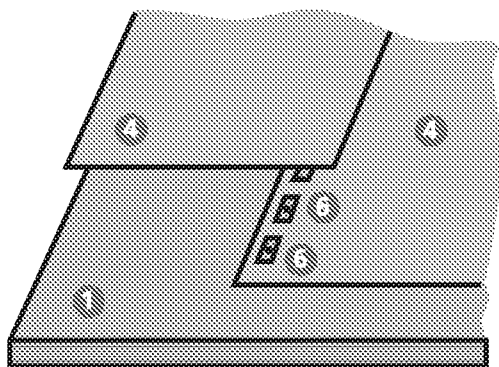


**MEMTEC Modern
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Typical Specifications

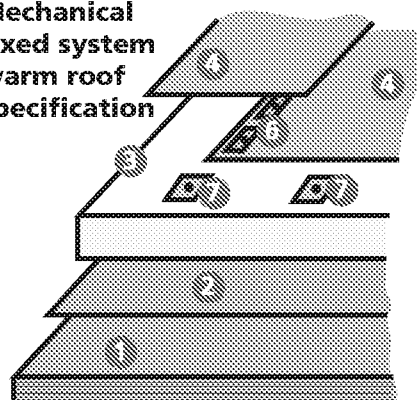
MECHANICAL FIXED SYSTEMS

Mechanical fixed system cold roof specification



1. Roof deck substrate
4. Memtec Single Ply Membrane types EMF or EMF-FB
6. Plate washer and fastener

Mechanical fixed system warm roof specification

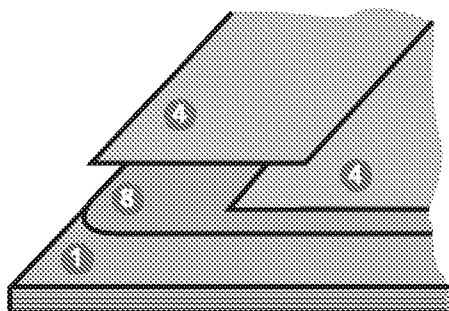


1. Roof deck substrate
2. Vapour control layer
3. Insulation board
4. Memtec Single Ply Membrane types EMF or EMF-FB
6. Plate washer and fastener membrane fastening type
7. Plate washer and fastener insulation fastening type

NB.
Items 6 and 7 can be thermally broken, fastener type.

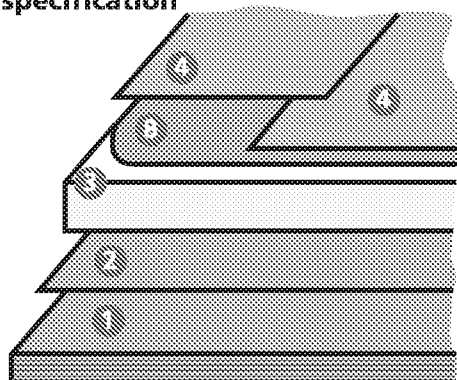
ADHESIVE BONDED SYSTEMS

Adhesive bonded adhered system cold roof specification



1. Roof deck substrate
8. Memcol adhesive
4. Memtec Single Ply Membrane types EBM, PBM or PBM-FB

Adhesive bonded membrane warm roof specification



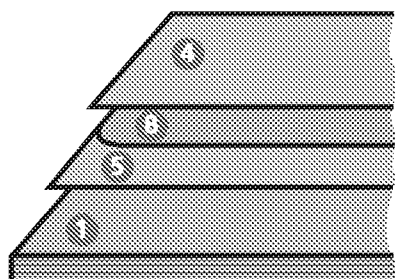
1. Roof deck substrate
2. Vapour control layer
3. Insulation board
4. Memtec Single Ply Membrane types EBM, PBM or PBM-FB
8. Memcol adhesive

NB.
Vapour control layer type bituminous felt and insulation board can be bonded with cold applied adhesive, or
Vapour control layer type polyethylene can be loose laid and the insulation board mechanically fixed.

EXISTING ROOF

REFURBISHMENT OVERLAY SYSTEMS

Existing roof refurbishment non insulated adhesive bonded overlay system

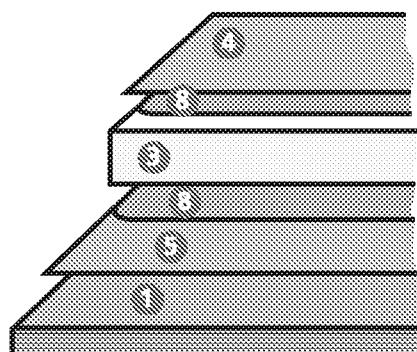


NB.
Item 4 can also be mechanically fixed as an option therefore item 8 can be omitted.

1. Existing roof deck substrate
5. Existing roof covering's bituminous felt or asphalt with stone chippings removed
8. Memcol adhesive
4. Memtec Single Ply Membrane type PBM-FB

Please carefully note building control regulations should always be consulted when considering an existing roof refurbishment project in regards to the requirement to install insulation to comply with current legal obligations.

Existing roof refurbishment insulated adhesive bonded overlay system



NB.
Items 3 and 4 can be mechanically fixed as an option therefore item 8 can be omitted.

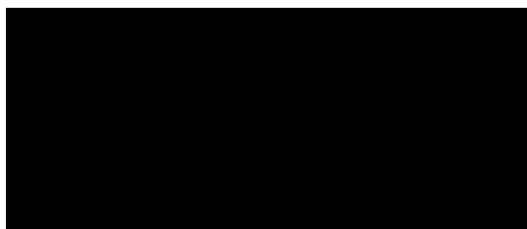
1. Existing roof deck substrate
5. Existing roof covering's bituminous felt or asphalt with stone chippings removed
8. Memcol adhesive
3. Insulation board
4. Memtec Single Ply Membrane types EBM, PBM or PBM-FB



Memtec Services

- Product Sales and Supplies including all accessories to complete and complement the system.
- Courier delivery service throughout the UK available (charges apply).
- Product Technical Advice and Support available (free of charge).
- Product Installation Advice and Support available (free of charge).
- Product Installation Guidance Classes available (charges apply).
- Product Literature and Samples available upon request (free of charge).
- Our Senior Staff have over forty years experience of working within the main UK Single Ply PVC Membrane Roofing and Waterproofing Industry.
- We offer a Professional, Experienced and Friendly Service.
- For all further information contact Memtec or visit our website.

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