
danosa
Building together
POLYDAN®
REINFORCED
BITUMEN
WATERPROOFING
SYSTEMS
Safe2
Torch
REGISTERED
www.nfrc.co.uk/safe2torch

BUILDING TOGETHER
in Partnership

DANOSA HEADQUARTERS, FONTANAR (SPAIN)

For over 55 years DANOSA has protected buildings around the globe. During this time we have come to appreciate that each market has its own requirements, its own standards and nuances that we must respect.

Despite the cultural differences, the key similarity is a demand for high-quality products and, just as importantly, a high-quality service.

Our commitment to high quality production is supported by decades of production experience, our in-house state-of-the-art testing laboratory and our ever-growing factory. As a result, we are proud of our market leading status in European and international markets and continually invest in new products and services to expand our world of solutions.

By BUILDING TOGETHER in partnership, we are with you every step of the way, engineering value without compromising quality.

CONTENTS

ACCESS A WORLD OF SOLUTIONS:

www.danosa.co.uk

SPECIFYING DANOSA

A Service That Is Proud To Be Different

There are a number of companies in the UK market, so choosing the right system for your project may seem a little daunting at first.

Choosing to build together in partnership with DANOSA you are assured of market-leading support as well as high-quality systems, specifically engineered to suit the requirements of your project.

Here are some of the most common reasons that our clients choose DANOSA:

We are proud and active members of the National Federation of Roofing Contractors:

NFRC
LEADING ROOFING EXCELLENCE

- **AWARD-WINNING**

  Winners of the Most Innovative project two years in a row and Best New Build in UK industry construction awards. Our projects have been highly commended in Best Detailing categories and several of our projects have been featured on the TV show, Grand Designs.

- **PREMIUM INNOVATIVE SYSTEMS**

  DANOSA have been manufacturing specialist systems for over 55 years and combined with our dedicated in-house laboratory and research facility, are recognised for producing some of the highest performing construction systems and solutions for a variety of building applications.

- **SPECIALIST CONTRACTOR NETWORK**

  Our warrantable systems are exclusive to our network of registered Premier Contractor partners. Each Premier Contractor receives training in how to specify and price our systems in addition to our dedicated installer training and assessment programmes. Further details on page 5.

- **IN-HOUSE AND ON-SITE TECHNICAL SUPPORT SERVICES**

  Dedicated in-house and on site technical support teams, providing specification advice, good practise guidance, surveys and project inspections. Our technical team sits on various industry technical councils, such as the Reinforced Bitumen Membrane Alliance (RBMA), the Single Ply Roofing Association (SPRA) and the Green Roof Organisation (GRO).

- **DESIGN, SPECIFICATION AND CALCULATION SERVICES**

  Windload, rainwater (flow rate), thermal and condensation risk calculations are just some of the services we provide in-house, including a NBS format specification service and tapered insulation scheme design. Further details on page 20.

- **CLEAR & COMPREHENSIVE SINGLE-POINT WARRANTIES**

  Our warranties include all the components supplied by DANOSA as part of a single-point cover (exc. living plants). Our warranties benefit from additional insurance backing to cover workmanship (labour) and directly resultant consequential damage in the event of a product failure. Further details on page 21.

PREMIER CONTRACTOR

Specialist Installer Network

POLYDAN® Reinforced Bitumen Waterproofing Systems are available throughout our national network of Premier Contractor partners.

Only Premier Contractors registered with DANOSA UK are able to supply and install our range of specialist waterproofing systems and provide you with a **DANOSA single-point warranty**.

Premier Contractor partners must apply to DANOSA UK and be subjected to an audit and training to ensure that minimum levels of quality management are in place. Once these have been met and demonstrated, Premier Contractors receive a certificate of their registration status, which is renewed on an annual basis.

Registered Installers

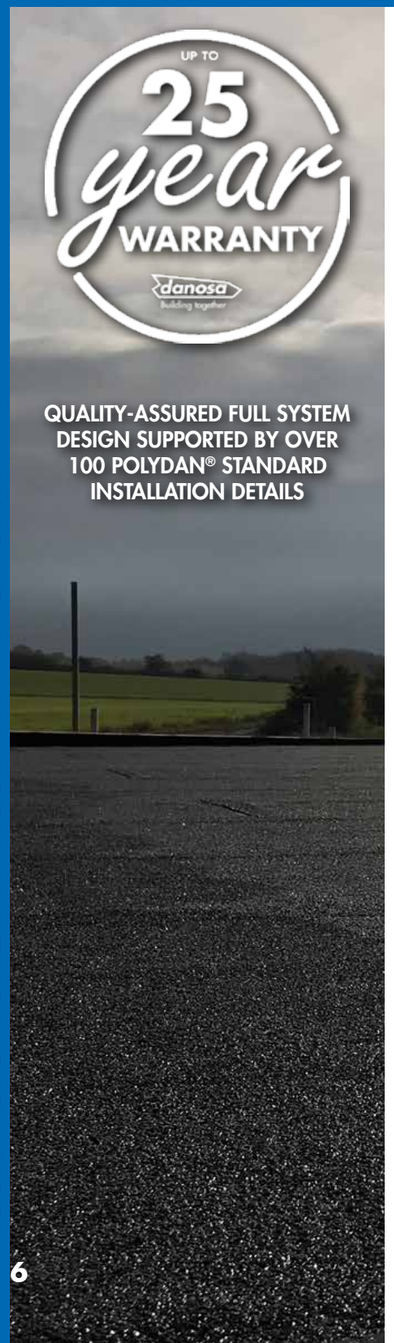
In addition to the registration of a Premier Contractor, which licenses the company to purchase any DURA-DAN system materials, all individual installers must be assessed and certified by our technical team and attend a reassessment at least every 5 years.

When installers have met the registration criteria and passed the assessment, each installer is issued with a **unique installer ID number and registration card**. Once registered, installers continue to receive on-site training and support from our Field Technicians to ensure that they have full support. Continual support and on-site assessments with our installer partners ensures that our installation standards are maintained across our projects.

As further assurance, as part of our quality management systems, all registered installer ID numbers are documented on our site visit reports and subsequently transferred onto the DANOSA UK warranty document. This ensures an audit trail which is linked directly to each unique installer ID.

POLYDAN®
Reinforced Bitumen Membranes

Commonly known as roofing felt, our range of POLYDAN® systems are specially formulated polymer modified reinforced bitumen roofing sheets. POLYDAN® membranes are comprised of 3 key components: a polymer modified bitumen compound, a reinforcement layer and a variety of upper and lower surface finishes. As well as traditional gas-torch applied membranes, our POLYDAN® systems include a range of thermo-adhesive underlays to ensure a Safe2Torch specification.



- **BRITISH BOARD OF AGRÉMENT (BBA) CERTIFIED**

  A full in-depth independent technical assessment of the POLYDAN® systems, including their manufacture, has been completed by the British Board of Agrément.

- **LONG LIFE EXPECTANCY**

  Independently assessed by the British Board of Agrément (BBA) to have a service life in excess of 30 years.

- **ROT PROOF / ROOT RESISTANT**

  Capsheet variant with anti-root modification is available for living roof systems, or where planting exists.

- **HIGHLY FLEXIBLE**

  Manufactured with a strong polyester reinforcement, our POLYDAN® systems are designed to move and flex to accommodate building movement.

- **DURABLE**

  POLYDAN® systems are tough enough to withstand heavy loads. Combined with DANOPREN® XPS, the systems can accommodate point loads of up to 500 kPa.

- **DEGREE OF SELF HEALING**

  Our advanced elastomeric (ELAST+) formula provides superior flexibility with up to 99% elastic recovery and self-healing properties.

- **SINGLE POINT SYSTEM WARRANTIES**

  Our warranties include all the components supplied by DANOSA as part of a single-point cover (exc. living plants). Further details on page 21.

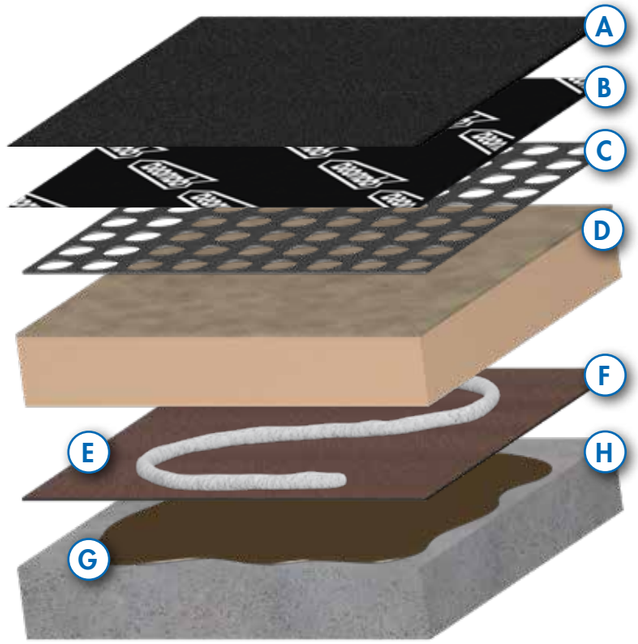
POLYDAN® PRODUCTION FACILITY, FONTANAR (SPAIN)

POLYDAN®
the Traditional System

Our traditional systems remain a popular choice for everyday roof waterproofing applications. Typically the system comprises of 3 layers, a capsheet, underlay and venting layer. However, depending on the location and construction of the project, the venting layer may not be required.

TYPICAL SYSTEM COMPONENTS

- (A) POLYDAN® 180-60/GP ELAST+ (system capsheet membrane)
- (B) POLYDAN® 180-40/P ELAST (system underlay membrane)
- (C) GLASDAN® 800 PERFORADO (perforated ventilation and partial bond layer)
- (D) TORCH PIR INSULATION (insulated systems only)
- (E) THERMOBOND ADHESIVE (insulated systems only)
- (F) AIR AND VAPOUR CONTROL LAYER (insulated systems only)
- (G) BITUMEN PRIMER
- (H) STRUCTURAL DECK

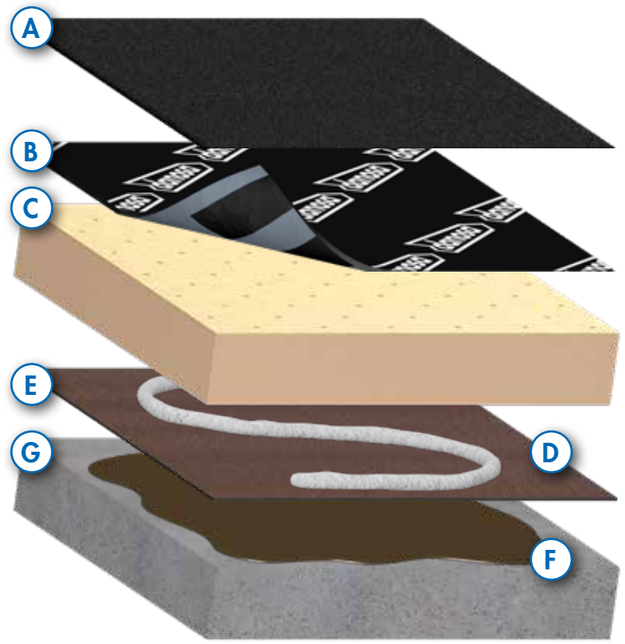


Specification Notes:

- GLASDAN® 800 PERFORADO is required to allow the system to ventilate. It does this by ensuring a partial bond of the underlay membrane through the perforations only.
- The insulation may instead be mechanically fastened instead of bonded which allows the use of a loose-laid air and vapour control layer.

POLYDAN®
the Thermo-Adhesive System

Our thermo-adhesive system is our most commonly specified system as it requires only 2 layers of waterproofing. The underlay is manufactured with the latest thermo-adhesive technology which reduces the amount of gas required and serves a triple purpose of underlay, ventilation and partial bond layer.



TYPICAL SYSTEM COMPONENTS

- (A) POLYDAN® 180-60/GP ELAST+ (system capsheet membrane)
- (B) ESTERDAN® 30/P ELAST SEMIADHESIVO (system underlay, ventilation and partial bond membrane)
- (C) TISSUE PIR INSULATION (insulated systems only)
- (D) THERMOBOND ADHESIVE (insulated systems only)
- (E) AIR AND VAPOUR CONTROL LAYER (insulated systems only)
- (F) BITUMEN PRIMER
- (G) STRUCTURAL DECK

Specification Notes:

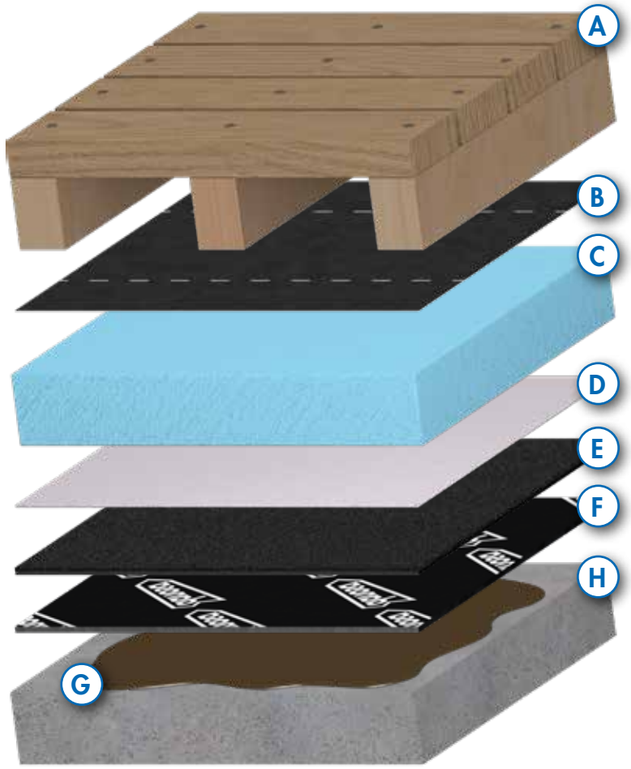
- The insulation may instead be mechanically fastened instead of bonded which allows the use of a loose-laid air and vapour control layer.
- FOIL-BOND PIR INSULATION is available as an alternative to our TISSUE PIR INSULATION and can reduce the thickness of the system by 10mm or more.

POLYDAN®
for Terraces and Balconies

In order to make the most of available floorspace, enjoyable roof spaces are becoming increasingly popular specification options. POLYDAN® systems offer a robust solution and can be installed as either a warm roof, or an inverted roof as depicted below, depending on the anticipated loadings.

TYPICAL SYSTEM COMPONENTS

- **A** SURFACING
  (timber deck finish shown for illustration only)
- **B** DANOFLOW
  (insulated systems only)
- **C** DANOPREN® TR XPS
  (insulated systems only)
- **D** DANOFELT® PY 300
  (geotextile protection and filtration layer)
- **E** POLYDAN® 180-60/GP ELAST+
  (system capsheet membrane)
- **F** POLYDAN® 180-40/P ELAST
  (system underlay membrane)
- **G** BITUMEN PRIMER
- **H** STRUCTURAL DECK

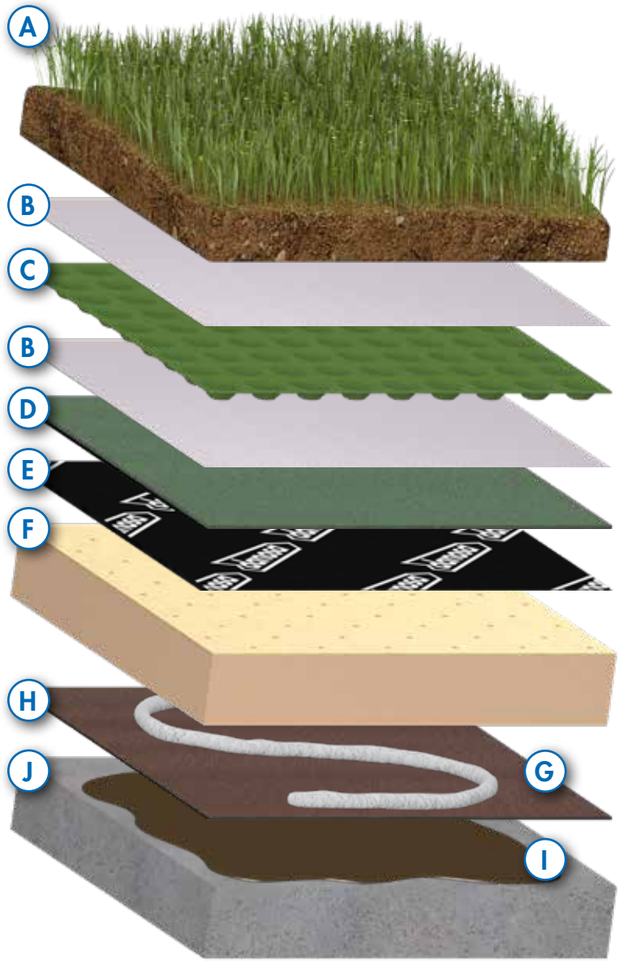


Specification Notes:

- A variety of different surfacing options can be used with this system. Speak to our technical department for further specification advice.
- DANOPREN® TR XPS can resist point loads of up to 300 kPa. If loading is to be greater than this, a 500 kPa variant, DANOPREN® 500 XPS is available.

POLYDAN®
for Living Roofs

A living roof provides environmental and aesthetic benefits to any construction and is a popular choice for city developments.



TYPICAL SYSTEM COMPONENTS

- **A** DANOSA LIVING ROOF SYSTEM
  (as specification)
- **B** DANOFELT® PY 300
  (geotextile protection and filtration layer)
- **C** DANODREN® JARDÍN
  (specialist drainage as specification)
- **D** POLYDAN® 50/GP ELAST+ GARDEN
  (system capsheet membrane)
- **E** ESTERDAN® 30/P ELAST SEMIADHESIVO
  (system underlay, ventilation and partial bond membrane)
- **F** TISSUE PIR INSULATION
  (insulated systems only)
- **G** THERMOBOND ADHESIVE
  (insulated systems only)
- **H** AIR AND VAPOUR CONTROL LAYER
  (insulated systems only)
- **I** BITUMEN PRIMER
- **J** STRUCTURAL DECK

Specification Notes:

- Suitable for all types of living roof systems. Further information about living roof specification options can be found on pages 14 to 15.
- POLYDAN® 50/GP ELAST+ GARDEN contains a specially formulated anti-root additive.

POLYDAN®
for Refurbishment

Eventually, most roofs reach the end of their serviceable life, where continued maintenance and localised repairs mount up and signs of fatigue make themselves apparent. Most exposed roofs have a life expectancy of around 30 or so years, but you can add an additional 30 years or more with a refurbishment.

Signs of water ingress or troublesome condensation issues are usually the first clues that your roof system is no longer functioning as it should. However, this may not be the only reason to consider renewing your roof. Upgrading the insulation, for example, may result in significant savings in both heating and cooling costs, making it a worthwhile investment to consider.

If your roof system is showing signs that it needs to be replaced, DANOSA offer an in-depth technical survey service for roof systems over 100m². A detailed survey aims to pinpoint the cause(s) of the problem and determine the most appropriate route for refurbishment.

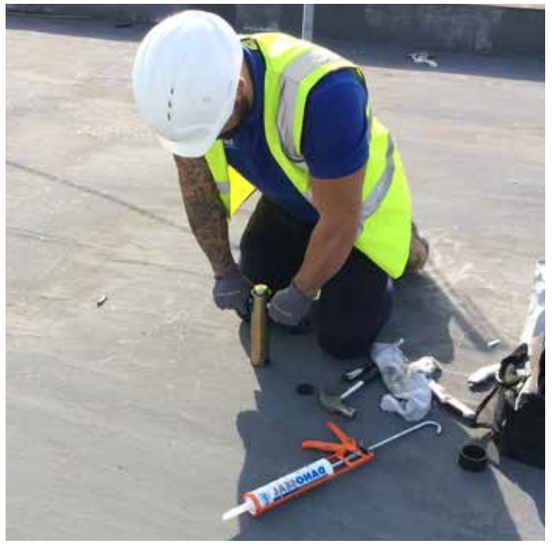
Typically, your refurbishment will fall into one of the below categories:

An Overlay

This is the preferred option when the existing structural deck and waterproofing system is in a relatively good condition and is capable of receiving the load of a new roofing system on top. This method of refurbishment generally causes the least disruption and often avoids the need for a temporary roof whilst the works progress. The existing roof will need to be suitably prepared, as advised by our technical department, to receive the new POLYDAN® waterproofing system and insulation (if required).

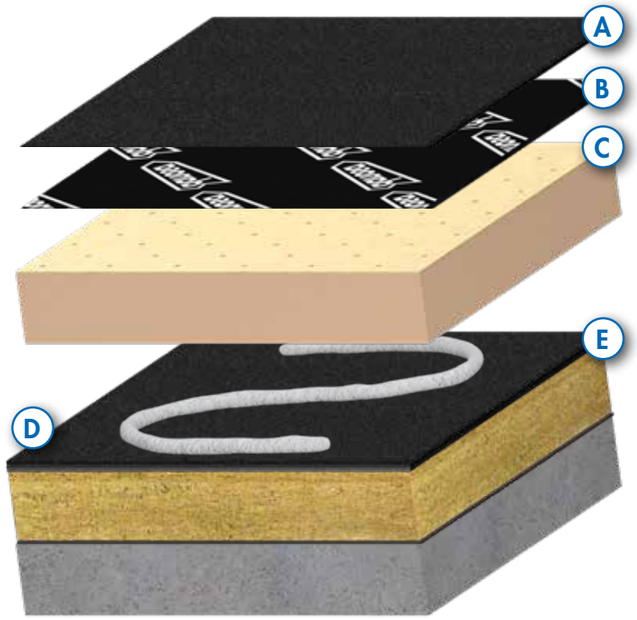
Full Replacement (Strip and Renew)

This will be required if the existing structural deck needs to be replaced or if the existing structure cannot support the load of proposed new roof system.



TYPICAL SYSTEM COMPONENTS

- **A** POLYDAN® 180-60/GP ELAST+
  (system capsheet membrane)
- **B** ESTERDAN® 30/P ELAST SEMIADHESIVO
  (system underlay, ventilation and partial bond membrane)
- **C** TISSUE PIR INSULATION
  (insulated systems only)
- **D** THERMOBOND ADHESIVE
- **E** EXISTING ROOF SYSTEM
  (subject to in-depth technical assessment)



Our technical survey and report will include the following:

- Core Samples (including marked location plans)
- Review of the existing roof falls and drainage.
- Review of existing rainwater outlets, including a rainwater (flow rate) calculation.
- Calculations confirming current thermal performance of the roof system and the insulation required to bring the new roof system up to current UK regulation, including condensation risk calculations.
- Schedule of existing construction details, all in compliance with the Safe2Torch specification guidance: www.nfrc.co.uk/Safe2Torch

Specification Notes:

- An in-depth refurbishment survey will determine the most appropriate specification for your new roof.
- Our report will include a thermal and condensation risk calculation as standard, including windload and rainwater (flow rate) calculations where appropriate, to ensure a fit-for-purpose specification.

LIVING ROOFS

A Green Approach

Current market reports show a very healthy year on year growth for the living roof sector in the UK and it is not hard to see why. In addition to the more apparent environmental and aesthetic benefits, there are many additional benefits which local authorities, specifiers and homeowners alike are noticing, especially in built-up areas.

Why Consider A Living Roof?

- **PROTECTS ROOF - INCREASING LIFE EXPECTANCY**

  The waterproofing system is protected from the harmful effects of UV degradation and is protected from potential damage when people traffic the roof area.

- **IMPROVED ACOUSTIC & THERMAL PERFORMANCE**

  Noticeable improvements can be enjoyed with the addition of a living roof system. However, whilst it is not possible to account for such performance in thermal and acoustic calculations, many buildings consider this added benefit in the project specification.

- **ATTENUATION OF RAINWATER**

  Reducing rainwater run off during heavy rain to slow rate of discharge to drainage system by attenuating it at roof level with DANODREN® drainage layers. The rainwater held at roof level will also quench the planting, reducing maintenance levels required.

- **RECREATION OF NATURAL HABITATS**

  Promotes biodiversity and replaces green spaces which may have been lost during the construction. In other instances, new habitats can be created by replicating the ecology of the surrounding local area. Different species can be encouraged, depending on the type of living roof system selected.

- **REDUCTION OF HEAT ISLAND EFFECT**

  Living roofs provide shade and remove heat from the air and can reduce city-wide ambient temperatures by up to 5°C.

- **IMPROVED AIR QUALITY, WELL BEING & REDUCED AIR POLLUTION**

  By reducing roof temperatures, there is less demand on the use of air conditioning units, lowering our impact on the environment. Vegetation can also remove pollutants and GHCs from the air through dry deposition and carbon sequestration and storage.

We are proud and active members of the Green Roof Organisation: gro

Living Roof System Types

EXTENSIVE:
A relatively lightweight and versatile system and the most common type of living roof. These systems feature a range of relatively low maintenance planting, such as low growing wild-flowers or sedum blankets.

INTENSIVE:
Rooftop landscaping, designed to replicate a typical ground-level garden. These systems have very specific planting requirements and often include lawns and other amenity spaces.

BIODIVERSE:
Replaces or replicates ground-level ecosystems to encourage biodiversity, wildlife and positive ecology. Often these systems are allowed to self-colonise and require very little maintenance.

M-TRAY® Pre-Established Modular Trays

Traditionally, living roof systems are built up on site from their component parts. After the system has been installed, the system goes through what is referred to as an establishment phase, as the roots grow and bed into the growing medium, and the system starts to flourish. During the establishment phase, the system will require careful maintenance, which may be anything up to 2 years after installation.

Pre-established extensive modular systems are becoming increasingly popular as the components are grown together in trays in a nursery until they are fully established and are ready to be placed onto a roof. Complete with integral water retention and drainage components, our M-Tray® pre-established modular trays can be simply lifted to roof level and interlocked into place for an instant established finish with minimal after-care.

Our M-Tray® is available with either a sedum only or a sedum and wild-flower mix. For more bespoke planting specifications or for a biodiverse system, a traditionally built up system will be required.

Traditional systems are available with either pre-grown blankets of flora, or alternatively can be plug-planted or planted with a traditional seed mix.

DANOSA manufacturer a range of DANODREN® specialist drainage products, along with DANOFELT® geotextile protection and filtration layers. All included in the single-point system warranty.

ROOFLIGHTS

inc. Access Hatches and Opening Vents

As part of our system range, DANOSA can provide a range of standard and bespoke rooflights, access hatches and opening vents suitable for a variety of applications and to suit most performance specifications.

Our units are suitable for warm, cold and inverted applications and can be supplied as domes with an adaptor kerb to fit any pre-constructed site kerb.

- **EXCELLENT THERMAL PERFORMANCE**

  Units manufactured to a minimum 1.8 w/m²K u-value, required by part L of the building regulations.

- **EXCELLENT FIRE RATING**

  Rated Class 1 to BS 476 Part 7, TPa.

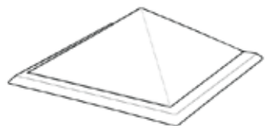
- **NON-FRAGILE**

  Rated Class B non-fragile to ACR[M]2011.

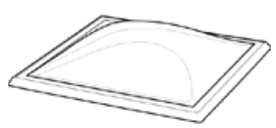
- **ENVIRONMENTALLY CERTIFIED**

  Ecopoint score of 0.57

Domes are glazed with a triple skin of polycarbonate as standard which can be produced in the following options:

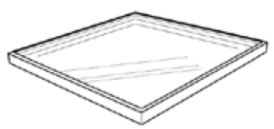


PYRAMID



DOME

CIRCULAR



GLASS

CLEAR

High light transmission which allows for clear views.

DIFFUSED

High levels of light transmission and reduces glare and shadows effects.

OPAL

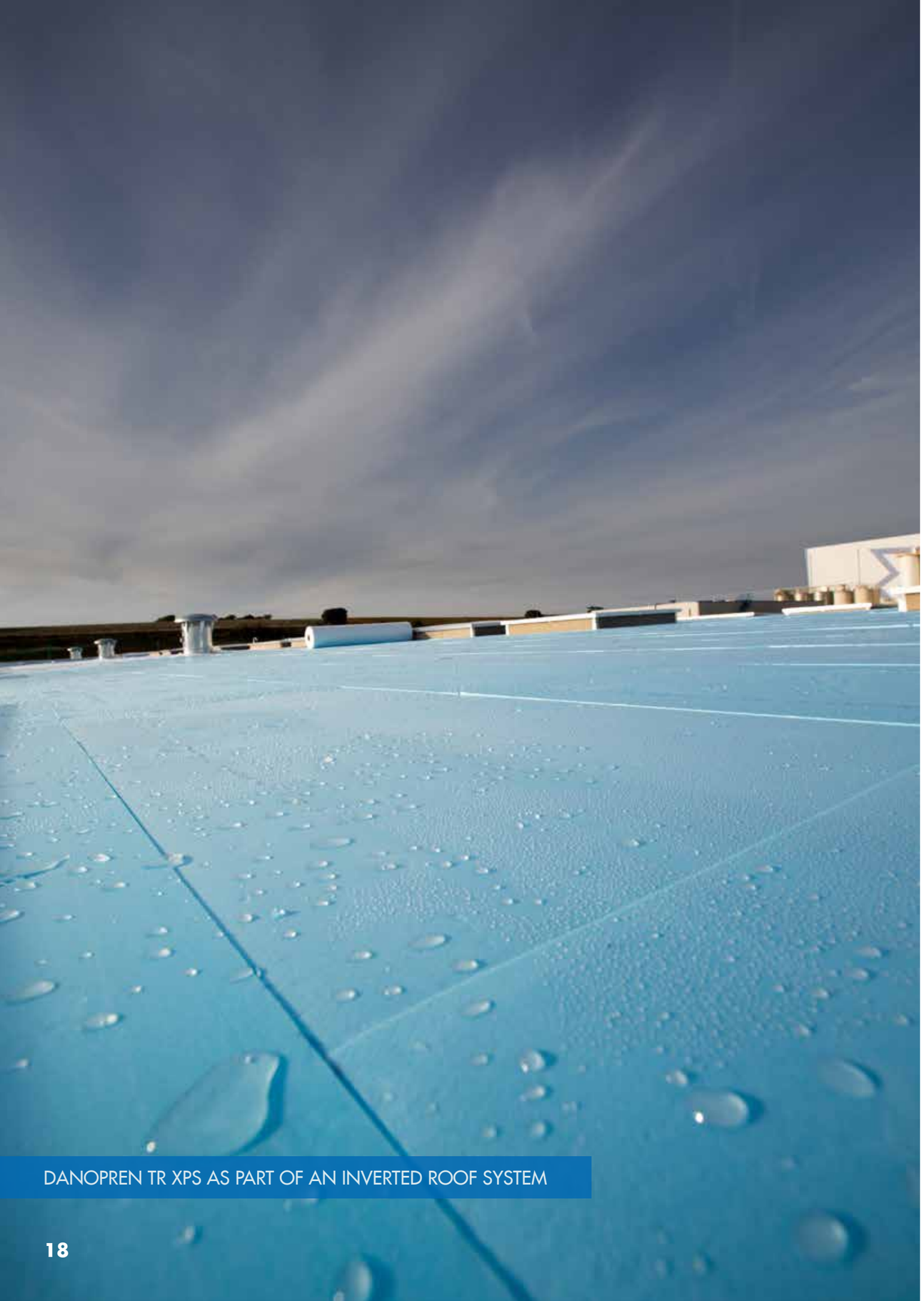
Provides privacy with medium light transmission levels. Also reduces glare and shadows.

BRONZE

Minimal light transmission reduces solar gain effects.

For specialist ventilation requirements, our rooflights can be manufactured with manually operated or automatic opening mechanisms, as required by the design strategy.

DANOSA ROOFLIGHTS IN PRODUCTION AT OUR FACTORY



DANOPREN TR XPS AS PART OF AN INVERTED ROOF SYSTEM

DANOPREN XPS
Thermal Insulation

DANOPREN® thermal insulation is manufactured from rigid extruded polystyrene (XPS) foam, free of CFC, HCFC and HFC compounds. The 1250mm long by 600mm wide boards are produced using an extrusion process which provides a closed-cell structure, unlike other open-cell alternatives.

- **DOES NOT ABSORB WATER**

  Since DANOPREN® has a closed cell structure, long-term water absorption is negligible. This allows the insulation and its benefits to remain stable over time.

- **BREATHABLE**

  Reduces the risk of interstitial condensation forming as DANOPREN® boards are breathable.

- **HIGH COMPRESSION RESISTANCE**

  DANOPREN® TR boards resist point loads up to 300 kPa.
  DANOPREN® 500 boards resist point loads up to 500 kPa.

- **LASTING PERFORMANCE**

  Extensive testing demonstrates consistent performance during the lifespan of the board.

- **QUICK AND SIMPLE INSTALLATION**

  DANOPREN® boards are light and easy to cut without the need for specialist tools. The interlocking sides of the board facilitate an easy installation and reduce the risks of thermal bridging.

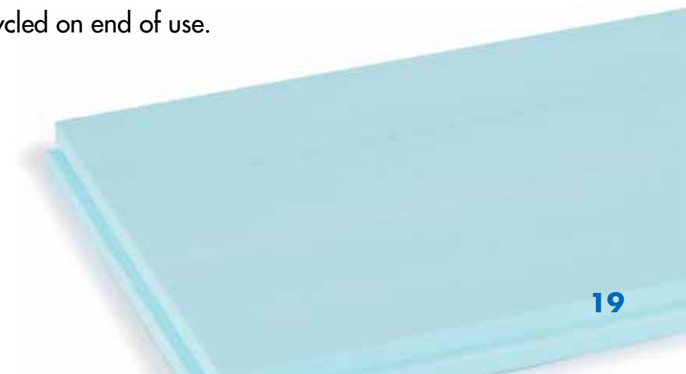
- **INTERNATIONALLY CERTIFIED**

  Independently tested and certified by leading bodies such as AENOR and ACERMI. Environmental credentials independently verified with a full EPD.

- **100% RECYCLABLE**

  DANOPREN® can be recycled on end of use.

DANOPREN® is also available as **DANOLOSA®** a thermally insulated paving slab system which can be easily installed onto any flat roof.



TECHNICAL SUPPORT

We host an expansive array of standard installation instructions, product data-sheets, technical support statements and other resources on our dedicated portals. These resources are continually updated to ensure that the latest information is always available to our network.

Whilst standard installation instructions (details) will apply to most constructions, there may be instances where unavoidable restrictions require an alternative solution. DANOSA has a team of **Field Technicians** who are on hand to offer support and guidance on good practise guidelines, how to use and install our products and just as importantly, how to protect the products and systems after installation. Our team frequently attends design coordination meetings in the initial stages to offer any assistance and advice on sequencing with other trades.

Whether it's a new build project where a new detail or low-risk solution needs to be formulated to accommodate the design, or if it's a refurbishment project where you would like further specification options, our team will produce a full technical report detailing the visit and any subsequent recommendations.

As part of our quality management systems, all projects over 100m² must be inspected by our team.

Specification Services

Our dedicated technical support team are on hand to write your project specification. Based closely upon the NBS style, we can engineer your full system specification to include a detailed description of all the DANOSA system products described. Our specifications contain detailed installation instructions and product guidance to ensure that the full specification is delivered.

Design Services

- Tapered Insulation Scheme Design
- Standard CAD Installation Detail Design

Calculation Services

- U-Value (thermal) and Condensation Risk
- Wind Load (uplift)
- Rainwater & Drainage (flow rate)
- Predicted Airborne Sound Reduction

Contact our team at uktechnical@danosa.com

WARRANTIES

Unlike many other manufacturers, our exclusive **DANOSA UK Warranty** covers all components of the waterproofing system which have been supplied by us - at no additional charge. Our single point warranty provides long term assurance that the systems we engineer are robust and provide the maximum service life possible.

YOUR DANOSA UK WARRANTY INCLUDES

- An **individual warranty certificate** issued for every project, complete with a list of all the components supplied to the project by DANOSA UK.
- Company **insurance backing** to cover payment for the cost of repairing and/or replacing any failed waterproofing products.
- Additional company insurance backing to cover **workmanship (labour)** to repair or replace a product failure.
- Additional company insurance backing to cover directly resultant **consequential damage** in the event of a product failure.

As an added benefit, your warranty certificate may be transferred to a new warranty holder in the event that you sell your property.

Warranties protect you against the failure of materials, for example where they fail to provide their service or function. However, whilst many manufacturers stop at this point, issuing a warranty (or guarantee) should not be the limit of responsibility. We have invested in a technical support team consisting of leading industry experts to ensure correct design and specification. Furthermore, by only allowing registered **PREMIER CONTRACTORS** to purchase our materials, we ensure that everyone using the system is fully trained in how to specify, use and install our systems.

Continual training and development is delivered through our dedicated online portals which transmit the latest CAD design details, product data-sheets and other supporting literature to our premier contractors, architects and specifiers.

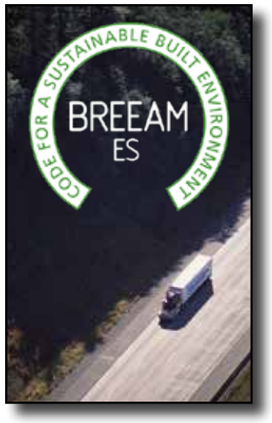
SUSTAINABILITY

Our commitments to ensuring a sustainable future as we care for our environment.

We recognise that every business has an important role to play in the local, regional and sometimes global environment. DANOSA prides itself in its approach towards green issues and our environment.

We are committed to making continuous improvements by seeking advice from leading experts to reduce our footprint and improve our systems of operation and sourcing.

Green Building Certifications



Green building certifications look to promote more sustainable construction with the subsequent financial, environmental and social benefits for all the building agents. Based on different scoring criteria, buildings receive a certain classification indicating their environmental performance. Used widely around the world, these certificates contain information on the environmental performance of the products contained in the building throughout their useful life.

Our **Environmental Product Declarations (EPD)** contain a lot of useful information. We have a responsibility as a manufacturer to provide detailed environmental data on our products. This includes data on the design, production, construction and maintenance of the system. This has led to the introduction of the European environmental regulation know as Environmental Product Declarations. This is a standardised document, verified by an independent agent and provides quantified and verifiable information about the environmental impact of a product.

EPD®

THE INTERNATIONAL EPD® SYSTEM

The purpose of these tools is to assess the life-cycle environmental impact of products in accordance with the international standard EN ISO 14025. In this sense an EPD provides objective, transparent, comparable and useful information on the environmental impact of DANOSA products through life-cycle analysis (LCA) - from raw material extraction, to manufacturing, right to the end of their useful life in buildings.

CERTIFICATION

inc. Research, development and internal quality control.

Servicing a global market can be a challenge at times, but by developing our products in accordance with an array of internationally recognised standards and commitments such as the European Harmonised Standard (CE Mark), we are able to continue to deliver the highest standards across the board.

Whilst independent testing and certification, such as the British Board of Agrément's BBA certification scheme, is an important tool to ensure that products (or systems) meet certain material, production and performance standards, we made a commitment to ensure that our products are monitored and tested continuously.

To deliver on this commitment, DANOSA has invested in a state-of-the-art in house testing and product development facility at our factory in Fontanar (Spain). These test procedures are incorporated in our Quality Management Systems of operation which ensure that each product line is continuously monitored and that batch samples are obtained and tested by our technicians and technical teams.

Our research and development department works closely with our technicians to deliver new technologies and modifications to our products. As a result of this continuing development, DANOSA has developed a range of premium specialist systems, including our range of POLYDAN® Reinforced Bitumen Membrane Systems, exclusive for the UK marketplace. These premium engineered products and systems are robust and long-lasting, including specific modifications to meet to the demands of our UK construction habits as well as the challenges presented by our climate.

ISO 9001 BUREAU VERITAS Certification

EOTA European Organisation for Technical Assessment

ISO 14001 BUREAU VERITAS Certification

CASE STUDIES

BERKELEY COURT, WEYBRIDGE

The existing roof system had reached the end of its serviceable life. Following an in-depth technical survey, the existing roof system was overlaid with our POLYDAN® systems, which included the refurbishment of the garage roofs.

Project Size: 400m²
Client: Berkeley Management Company

WOKING HIGH SCHOOL

POLYDAN® systems have continued to be the preferred system of choice during this long term refurbishment of the existing school blocks. All roofs have been completed with a full system specification including PIR insulation.

Project Size: 2,350m²
Client: Woking High School

WESTGATE SHOPPING CENTRE COMPLEX, OXFORD

The £500 million redevelopment of the Westgate Shopping Centre was a key part of the regeneration of Oxford City Centre, creating high-quality buildings designed by world-class architects.

Our POLYDAN® systems were used to refurbish the existing Westgate Shopping Centre roof areas which had reached the end of their service life and had fallen into disrepair. The refurbishment specification included a full system by DANOSA and formed the principal waterproofing to the existing plant areas.

In addition to the POLYDAN® systems, the non-accessible new build roof areas were completed with our DANOPOL® PVC single ply membrane systems, including a specialist acoustic system to the cinema roofs. All the shopping promenades, rooftop terraces and plant-rooms were completed with our DURA-DAN structural hot melt system which included our DANOPREN® XPS and DANODREN® combined drainage and protection layers.

Project Size: 24,000m²
Client: The Crown Estate

DALMENY AVENUE, ISLINGTON

This new build development of apartments was completed with our POLYDAN® living roof systems, which included a tapered insulation scheme and high-performance air and vapour control layer in a bespoke specification.

Project Size: 1,100m²
Client: United Living Southern

CHURCH STREET, WESTON LONGVILLE

This new build private residential property in Norfolk was completed with our POLYDAN® systems. The full system specification was supported with a full set of standard CAD installation details, providing clear guidance ahead of the roofing commencing to ensure a fast, efficient and trouble-free installation.

Project Size: 400m²
Client: Private Developer

DITTON PARK ACADEMY

An array of system specifications were used on this project which included a mixture of timber decks to the main roof areas and concrete decks to the plant-room areas. High parapet walls were fully waterproofed with the full system specification, avoiding the need to include additional trades on the roof area.

Project Size: 4,000m²
Client: SASH Educational Trust

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Building together

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