danosa

Building together



PRODUCT CATALOGUE

FOR MERCHANT PARTNERS

Proud to be members of:

BMF

SPRA
Single Ply Roofing Association

Safe2Torch

NFRC
LEADING ROOFING EXCELLENCE

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OUR DISTRIBUTION TEAM

WE'RE HERE AND READY TO HELP



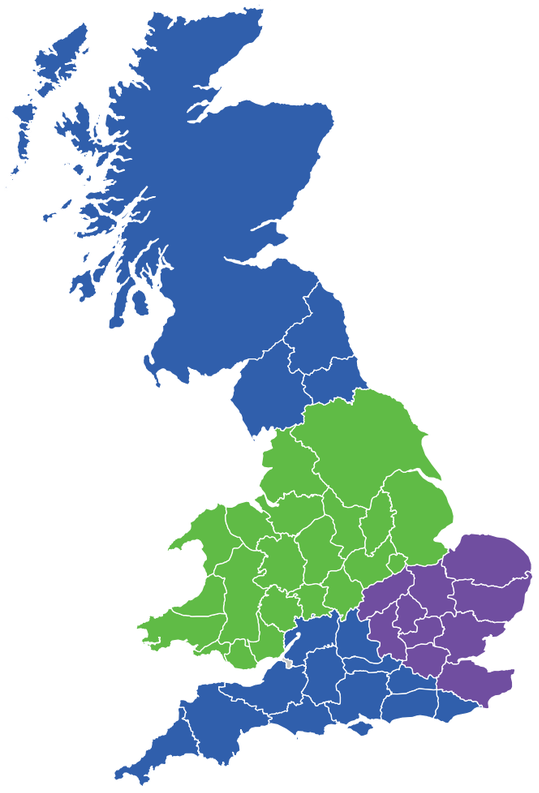
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BITUMINOUS MEMBRANES

DANOSA's experience in the roofing sector is unrivalled, our customers can always rely on us to give them the answers they need.

The range of waterproofing membranes shown in this handbook are composed of a polymer modified bitumen mastic (SBS+ / SBS / APP), a reinforcement that provides different properties depending on its composition, and a finishing depending on its use. The full systems consist of different combinations of membranes and are suitable for waterproofing flat and pitched roofs, buried structures, road traffic and even radon gas protection. Our bituminous membranes are ideal for both new and refurbishment projects.

WATCH THE INSTALLATION VIDEO

BRITISH BOARD OF AGREMENT (BBA) CERTIFIED

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

LONG LIFE EXPECTANCY

Independently assessed by the BBA to have a service life in excess of 30 years.

ROOT 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 bituminous 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 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.

POLYDAN®

POLYDAN 180-60/GP ELAST

HIGH PERFORMANCE SBS ELASTOMERIC 5.6KG/M² CAPPING SHEET.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 800
- Width (cm): 100
- Colour: Charcoal
- Thickness (mm): 3.9(Overlap)
- Product code: 141419

POLYDAN® 180-60/GP ELAST. is a waterproofing bituminous sheet with self-protected surface of 5.6 kg/m². Composed of a non-woven polyester felt reinforcement, covered on both sides with SBS modified bitumen mastic. On the upper side of the sheet, mineral protection in grey (black) colour is used as protective material. The anti-adhesive material used on the lower side is polyethylene film.

BBA 10/4787(1)



POLYDAN 180-50/GP ELAST

HIGH PERFORMANCE SBS ELASTOMERIC 5KG/M² CAPPING SHEET.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 800
- Width (cm): 100
- Colour: Charcoal
- Thickness (mm): 35)
- Product code: 141435

POLYDAN® 180-50/GP ELAST. is a waterproofing bituminous sheet with self-protected surface of 5kg/m². Composed of a non-woven polyester felt reinforcement, covered on both sides with SBS modified bitumen mastic. On the upper side of the sheet, mineral protection in grey colour is used as protective material. The anti-adhesive material used on the lower side is polyethylene film.

BBA 10/4787(1)



ESTERDAN®

ESTERDAN PLUS 50/GP ELAST

SBS ELASTOMERIC 5KG/M² CAPPING SHEET.

Classified*
BROOF(T4)



TORCH APPLIED

PRODUCT DATA

- Length (cm): 800
- Width (cm): 100
- Colour: Black
- Thickness (mm): 3.5 (Overlap)
- Product code: 141015

ESTERDAN® PLUS 50/GP ELAST. is a waterproofing bituminous sheet with self-protected surface of 5.0kg/m². Composed of a reinforced polyester felt reinforcement, covered on both sides with SBS modified bitumen mastic. On the upper side of the sheet, mineral protection in grey (black) colour is used as protective material. The anti-adhesive material used on the lower side is polyethylene film.

BBA 10/4787(1)

*In a range of build-ups. Contact uktechnical@danosa.com for more information

ESTERDAN PLUS 50/GP ELAST GARDEN

SBS ELASTOMERIC 5KG/M² CAPPING SHEET. ROOT INHIBITOR.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 800
- Width (cm): 100
- Colour: Green Garden
- Thickness (mm): 3.5 (Overlap)
- Product code: 141306

ESTERDAN® PLUS 50/GP ELAST. GREEN GARDEN is a waterproofing bituminous membrane with self-protected surface of 5.0 kg/m². Composed of a reinforced polyester felt reinforcement, covered on both sides with SBS modified bitumen mastic. On the upper side of the sheet, mineral protection in green colour is used as protective material. The anti-adhesive material used on the lower side is polyethylene film. Bitumen is treated with special additives in order to deter root damage. Tested according to standard EN test methods.

BBA 10/4787(1)

EPD S-P-01493

ESTERDAN®

ESTERDAN 30 P ELAST

TOUGH SBS ELASTOMERIC 3KG/M² UNDERLAY.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 1200
- Width (cm): 100
- Thickness (mm): 2.5
- Product code: 141130

ESTERDAN® 30 P ELAST. is a waterproofing bituminous sheet with non self-protected surface of 3.0 kg/m². Composed of a non-woven polyester felt reinforcement and covered on both sides with SBS modified bitumen mastic. A polyethylene film is used as anti-adherent material on both sides. Tested according to standard EN test methods.

BBA 10/4787(1)

ESTERDAN®

ESTERDAN 30 P ELAST AUTO ADHESIVE

TOUGH 3KG/M² SBS ELASTOMERIC UNDERLAY



SELF ADHESIVE

PRODUCT DATA

- Length (cm): 1200
- Width (cm): 100
- Thickness (mm): 2.5
- Product code: 141801

ESTERDAN® 30 P ELAST. AUTOADHESIVO is a waterproofing bituminous self-adhesive membrane. Composed of a non-woven polyester felt reinforcement, covered with SBS modified bitumen mastic, self-adhesive on the lower side. A polyethylene film is used as anti-adherent material on the top side and a siliconised releasable polypropylene film is used on the bottom side.

BBA 10/4787(1)

ESTERDAN 30 P ELAST SEMI ADHESIVE

TOUGH 3KG/M² SBS ELASTOMERIC VENTING UNDERLAY



SEMI ADHESIVE

PRODUCT DATA

- Length (cm): 700
- Width (cm): 100
- Thickness (mm): 2.5
- Product code: 141230

ESTERDAN® 30 P ELAST SEMI-ADHESIVE (7 M) is a waterproofing bituminous self-adhesive venting membrane. Composed of a non-woven polyester felt reinforcement, covered with SBS modified bitumen mastic, self-adhesive on the lower side (self-adhesive stripes). A polyethylene film is used as anti-adherent material on the top side and a siliconised releasable polypropylene film is used on the bottom side.

BBA 10/4787(1)

POLYDAN, ESTERDAN & GLASDAN
PRODUCTION FACILITY, SPAIN

GLASDAN ®

GLASDAN 30/P ELAST

SBS ELASTOMERIC 3KG/M² UNDERLAY.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 750
- Width (cm): 100
- Thickness (mm): 2.5
- Product code: 141136

GLASDAN® 30 P ELAST. is a waterproofing bituminous sheet with non self-protected surface of 3.0 kg/m². Composed of a fibreglass reinforcement and covered on both sides with SBS modified bitumen mastic. A polyethylene film is used as anti-adherent material on both sides. Tested according to standard EN test methods.

BBA 10/4787(1)

EPD

EPD S-P-01493

GLASDAN 800 PERFORATED

ROOFING VENTING LAYER



PARTIALLY BONDED

PRODUCT DATA

- Length (cm): 2000
- Width (cm): 100
- Thickness (mm): .85±15%
- Product code: 131325

GLASDAN® 800 P Perforated is a glass fibre perforated venting underlay. Finished with a specifically engineered torch-on polyethylene film on both sides.

APP SYSTEM

FEATURING ESTERDAN® GLASDAN ®

ESTERDAN 50/GP POL

TOUGH APP PLASTOMERIC 5KG/M² CAP SHEET.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 800
- Width (cm): 100
- Colour: Charcoal
- Thickness (mm): 3.5 (Overlap)
- Product code: 141984

ESTERDAN® 50/GP POL is a waterproofing bituminous sheet with self-protected surface of 5 kg/m². Composed of a reinforced polyester felt reinforcement, covered on both sides with polymer modified bitumen mastic. On the upper side of the sheet, mineral protection is used as protective material. The anti-adhesive material used on the lower side is polyethylene film.

BBA 10/4787(1)

GLASDAN 30/P POL

APP PLASTOMERIC 3KG/M² UNDERLAY.



TORCH APPLIED

PRODUCT DATA

- Length (cm): 1200
- Width (cm): 100
- Thickness (mm): 2.5
- Product code: 141622

GLASDAN® 30 P POL is a waterproofing bituminous sheet with non self-protected surface of 3.0 kg/m². Composed of a fibreglass reinforcement and covered on both sides with polymer modified bitumen mastic. A polyethylene film is used as anti-adherent material on both sides. Tested according to standard EN test methods.

SELF-DAN®

SELF-DAN AL+ 1200

Self-adhesive bituminous membrane that forms a barrier against vapour and gases. It consists of a self-adhesive low-thickness bituminous compound self protected by a glass fibre and reinforced aluminium film. The glass fibre and internal polyester reinforcement provides excellent resistance to puncture and the effects of work site foot traffic. Upper Surface: Aluminium Foil.
Lower Surface: Removable Protective Film.

PRODUCT DATA

- Length (cm): 5000
- Width (cm): 108
- Roll Weight (kg): 27
- Product code: 321987

SELF-DAN AP 2000

Self-adhesive bituminous membrane for use as an air and vapour control layer. This product may also be used as a carrier layer for cold liquid applied waterproofing systems, such as DANOFLEX® FLEXIBLE GRP. The membrane consists of a 120gbm polyester reinforcement layer, saturated and coated with high-quality SBS. Protected with fine sand on its upper layer, whilst the bottom layer features a self-adhesive compound coating, covered with removable film.

PRODUCT DATA

- Length (cm): 1500
- Width (cm): 100
- Roll Weight (kg): 27
- Product code: 322069

SELF-DAN AL

SELF-ADHESIVE SBS ELASTOMERIC, EASY PEEL FOIL FACED MEMBRANE.



PRODUCT DATA

- Length (cm): 1000
- Width (cm): 100
- Thickness (mm): 1.2
- Product code: 205017

SELF ADHESIVE

SELF-DAN® AL 100 is a self-adhesive membrane manufactured with bituminous selected mastic modified with high performance SBS polymers, this will provide self-healing properties, easy application and great durability.r As a top layer it has a an aluminium foil of 60/1000 mm natural colour. At the bottom side it has a releasable film.

SELF-DAN®

BITUMEN PRIMER+ SA REQUIRED FOR SELF-DAN MEMBRANES

See page 44

SELF-DAN PE PLUS

REINFORCED SELF-ADHESIVE SBS ELASTOMERIC, EASY PEEL 1.5MM MEMBRANE.



PRODUCT DATA

- Length (cm): 2000
- Width (cm): 100
- Thickness (mm): 1.5
- Product code: 192235

SELF ADHESIVE

SELF-DAN® PE PLUS is a self-adhesive membrane manufactured with bituminous selected mastic modified with high performance SBS polymers, this will provide self-healing properties, easy application and great durability. As a top layer it has a cross laminated HDPE film, which will provide better mechanical resistance, puncture resistance (static and dynamic), high elongation and high dimensional stability characteristics. At the bottom side it has a releasable film.

SELF-DAN PE

SELF-ADHESIVE SBS ELASTOMERIC, EASY PEEL 1.5MM MEMBRANE.



PRODUCT DATA

- Length (cm): 2000
- Width (cm): 100
- Thickness (mm): 1.5
- Product code: 192200

SELF ADHESIVE

SELF-DAN® PE is a self-adhesive membrane manufactured with bituminous selected mastic modified with high performance SBS polymers, this will provide, easy application and great durability. As a top layer it has a HDPE film, which will provide better mechanical resistance, puncture resistance (static and dynamic) and high elongation characteristics. At the bottom side it has a releasable film.

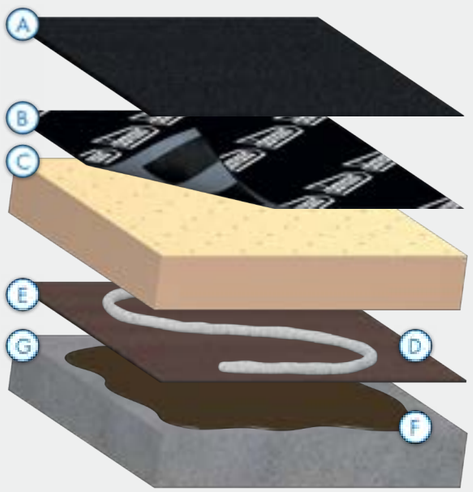
ORDER DETAILS

Code	Product Name	Upper Surface Finish	Dimensions (m)	Mass (kg/m²)	Rolls/Pallet	m²/Pallet
141419	Polydan 180-60/GP Elast	Charcoal	8	6	23	200
141435	Polydan 180-50/GP Elast	Charcoal	8	5	25	336
141801	Esterdan 30 P Elast Auto Adhesive	Film	12	3	28	336
141230	Esterdan 30 P Elast Semi Adhesive	Film	12	3	25	200
141015	Esterdan PLUS 50/GP Elast	Black Mineral	8	5	25	200
141306	Esterdan PLUS 50/GP Elast Garden	Green Mineral	8	5	25	336
141984	Esterdan 50/GP POL	Charcoal	8	5	25	200
141130	Esterdan 30 P Elast	Film	12	3	28	336
141041	Glasdan 30/P Elast	Film	12	3	28	336
141622	Glasdan 30P POL	Film	12	3	28	336
131325	Glasdan 800 Perforated	Film	20	0.8	28	336



DITTON PARK ACADEMY: 4,000m² PROJECT

EXAMPLE:
THERMO-ADHESIVE SYSTEM



- A POLYDAN 180-60/GP (system capsheet membrane)
- B ESTERDAN®30/P ELAST SEMI ADHESIVE (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

Our thermo-adhesive system is our most commonly specified system amongst our roofing contractors as it requires only 2 layers of waterproofing. Order bituminous membranes for your supply store by contacting the team on **ukdistribtution@danosa.com.**



POLYDAN SYSTEMS ON A NEW BUILD PROJECT IN NORFOLK

PRIMERS, ADHESIVES AND TAPES

The complete range of the primers, adhesives, and tapes required to install DANOSA bituminous products, from membranes to insulation boards.

CURIDAN 25KG

WATER-BASED EMULSION FOR HORIZONTAL AND VERTICAL SURFACES



A water-based bituminous emulsion specially designed to prime and prepare mortar, metallic sheets and wood before welding bituminous sheets in roofs. Complies with the specifications required by UNE 104-231 (type EA).

PRODUCT DATA

- Colour: Dark Brown
- Approx. Coverage (m^2): 75
- Product Code: 311011

BITUMEN PRIMER+ SA

A FAST DRYING, SYNTHETIC RUBBER-BASED PRIMER



Roller-applied synthetic primer for SELF-DAN air and vapour control layers. Can be used as a two-way stick contact adhesive in cold conditions (subject to minimum working temperatures).

PRODUCT DATA

- Volume (L): 15
- Weight (kg): 19
- Approx. Coverage (m^2): 125
- Product Code: 321785

BITUMEN PRIMER HM

HIGH PENETRATION SYNTHETIC PRIMER



Roller-applied high penetration synthetic primer for TORCH-APPLIED MEMBRANES, THERMO-ADHESIVE MEMBRANES and DURADAN STRUCTURAL HOT MELT.

PRODUCT DATA

- Volume (L): 25
- Weight (kg): 23
- Product Code: 320105



ADHESIVE THERMOBOND

FAST-CURING ADHESIVE FOR BONDING INSULATION BOARDS

PRODUCT DATA

- Colour: Brown
- Approx. Coverage (m^2): 30
- Volume (l): 6.5
- Product Code: 320107

Our 6.5 litre THERMOBOND is a poured fast-curing adhesive for bonding roof insulation boards and acoustic membranes on horizontal applications. This product exceeds requirements for resistance to wind uplift, as given in BS EN 1991-1-4.

SELF-ADHESIVE TAPES



SELF-DAN® tapes are self-adhesive waterproofing tapes composed of a bituminous bituminous mastic SBS, with an aluminium sheet as a protective material on its outer face and a non-stick plastic film on its inner face.

NATURAL 0.15

- Length (cm): 1000
- Width (cm): 15
- Thickness (mm): 1.2
- Product code: 205002

NATURAL 0.30

- Length (cm): 1000
- Width (cm): 30
- Thickness (mm): 1.2
- Product code: 205003

ORDER DETAILS

Code	Product Name	Weight (kg)	Approximate Performance (kg/m^2)	Average Coverage (m^2)	Units/Pallet
311013	Curidan	5	0.3-0.4	75	24
321785	Bitumen Primer SA	15	0.12	125	32
320105	Bitumen Primer HM	23	0.23	100	32
320107	Adhesive Thermobond	7	0.1-0.2	30	45

Code	Product Name	Dimensions (m)	Thickness (mm)	Rolls/Box
205002	Self-Dan Natural (0.15)	10 x 0.15	1.2	8
205003	Self-Dan Natural (0.30)	10 x 0.30	1.2	4



FLEXIBLE GRP SYSTEM

DANOFLEX is a flexible multi-surface GRP system with complete waterproofing capabilities.

The range consists of five high performance components that, when combined, create an easy to use GRP system. Our GRP resin cures within a rapid 30-60 minutes, so you can get your roofing and waterproofing jobs completed quickly.

SEE THE RANGE ONLINE

HIGHLY VERSATILE

DANOFLEX is capable of coating virtually all common surfaces, all the way from timber to metal.

GREAT FLEXIBILITY WITH IMMENSE STRENGTH

As a flexible polyester resin, DANOFLEX offers crack resistance and water resistant properties, all whilst maintaining the ability to waterproof all uneven surfaces. A high thixotropic index prevents drainage and sagging from vertical surfaces.

LOW STOCK REQUIREMENTS

As a dark-grey self coloured resin, there's no need to stock separate pigments. The single resin product also doesn't require separate basecoats nor topcoats.

FULLY COLD-APPLIED

Ensuring maximum safety through no risks from open flames, hot air or other hot works.

FOR NEW AND REFURBISHMENT PROJECTS

DANOFLEX is suitable for overlay refurbishments and new build projects.

CLASSIFIED BROOF(T4)

BROOF (t4) Fire Rating for unrestricted use.



DANOFLEX®

FLEXIBLE GRP RESIN

20KG DRUM OF DARK GREY FLEXIBLE GRP. 7.4 - 10.6M² COVERAGE.



PRODUCT DATA

- Weight (kg): 20
- Colour: Dark Grey
- Coverage (m²): 7.4-10.6
- Thixotropic Index: 3.1
- Product code: 320036

DANOFLEX GRP Resin is designed for use as the liquid resin component of the DANOFLEX GRP waterproofing system. The resin itself is a flexible hybrid Polyester resin that has been cured with a specialised Peroxide catalyst, offering optimum curing across a wide range of application conditions.

DANOFLEX POWDER CATALYST

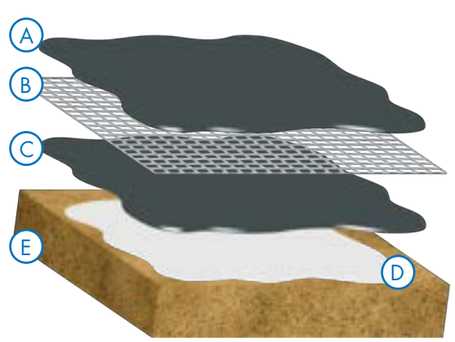
FOR ADDING TO DANOFLEX GRP RESIN TO INITIATE CURING PROCESS



PRODUCT DATA

- Weight (kg): 1
- Product code: 320039

EXAMPLE DANOFLEX SYSTEM



A. FINAL COAT OF DANOFLEX FLEXIBLE GRP RESIN
0.5 litre/1 metre average coverage

B. GLASSFLEX REINFORCEMENT

C. FIRST COAT OF DANOFLEX FLEXIBLE GRP RESIN
1litre/1 metre average coverage

D. PRE-MIXED DANOFLEX PRIMER AND CATALYST

E. MULTIPLE SUBSTRATES
inc. timber, concrete, metal, and more.

DANOFLEX®

DANOFLEX WINTER ACCELERATOR

LOW TEMPERATURE ADDITIVE TO SUPPORT INSTALLATIONS AT 1-5°C



PRODUCT DATA

- Weight (g): 600
- 1x Winter Accelerator tin per 20kg GRP Resin
- Product code: 320038

DANOFLEX PRIMER

MULTI-FUNCTIONAL PRIMER FOR POLYESTER RESINS



PRODUCT DATA

- Weight (kg): 5
- Shelf Life: 12 months
- Approx. Coverage (m²): 4.0 - 6.0
- Gel Time at 25° using Catalyst: 12-13min
- Product code: 320045

GLASSFLEX REINFORCEMENT

4.5KG 225GSM FIBREGLASS MATTING FOR DANOFLEX GRP SYSTEM



PRODUCT DATA

- Weight (kg): 4.5
- GSM: 225
- Weight Tolerance (%): +/- 7.5
- m²/roll: 20
- Product code: 320037

ORDER DETAILS

Code	Product Name	Presentation	Performance
320036	Danoflex GRP Resin	20kg	7.4 - 10.6m²
320039	Danoflex Powder Catalyst	1kg	See data below
320038	Danoflex Winter Accelerator	600g	1 tin per GRP Resin Drum
320045	Danoflex Primer	5kg	20 - 30m²
320037	Danoflex Glassflex Reinforcement	0.95 x 21.05 | 4.5kg	20m²
TBC	Taping Mat	75mm x 18m	1.35m²
TBC	Finishing Tissue	150mm x 25m	3.75m²
TBC	Drip Trim	10 Lengths x 3m	30m²
TBC	Upstand Fascia Trim	10 Lengths x 3m	30m²
TBC	Wall Fillet Trim	10 Lengths x 3m	30m²
TBC	Expansion Trim	10 Lengths x 3m	30m²

NOT SURE HOW MUCH CATALYST YOU NEED?

Recommended Catalyst Addition Rate:	4%	3%	2%
Temperature Range:	5 - 10°C	11 - 17°C	18 - 30°C

Amount of DANOFFLEX GRP Resin		Number of Catalyst Scoops	Number of Catalyst Scoops	Number of Catalyst Scoops
Volume	Weight			
1 ltr	1.4 kg	4	3	2
2 ltrs	2.8 kg	8	6	4
3 ltrs	4.2 kg	12	9	6
4 ltrs	5.6 kg	16	12	8
5 ltrs	7.1 kg	20	15	10
6 ltrs	8.5 kg	24	18	12
7 ltrs	10.0 kg	28	21	14

IMPORANT NOTES

Use DANOFLEX Winter Accelerator in temperatures between 1-5°C.

It is not recommended to catalyse more than ~5 kg at a time. When working large areas decant the primer into manageable quantities and always be aware of your pot life.

Recommended Catalyst Addition Rate:	4%	3%	2%
Temperature Range:	5 - 10°C	11 - 17°C	18 - 30°C

Amount of DANOFLEX Primer		Number of Catalyst Scoops	Number of Catalyst Scoops	Number of Catalyst Scoops
Volume	Weight			
1 ltr	1.1 kg	4	3	2
2 ltrs	2.3 kg	8	6	4
3 ltrs	3.4 kg	12	9	6
4 ltrs	4.6 kg	16	12	8



DANOPOL SINGLE PLY

DANOPOL® Single Ply Membranes are now available to key Merchant Partners with the facility to offer installer training in line with SPRA.

Single Ply Membranes are manufactured from synthetic polymers which have been developed for roofing and waterproofing applications.

Our DANOPOL® membranes are a flexible form of PVC-p (polyvinyl chloride), which are welded together using hot air. The membranes are reinforced with either a glass fibre or polyester net, depending on the application, which provides high tear resistance whilst remaining flexible.

SEE THE RANGE ONLINE

BRITISH BOARD OF AGREMENT (BBA) CERTIFIED

A full in-depth independent technical assessment of the DANOPOL® systems, including their manufacture, has been completed by the BBA.

LONG LIFE EXPECTANCY

Independently assessed by the BBA to have a service life in excess of 30 years.

UV RESISTANT

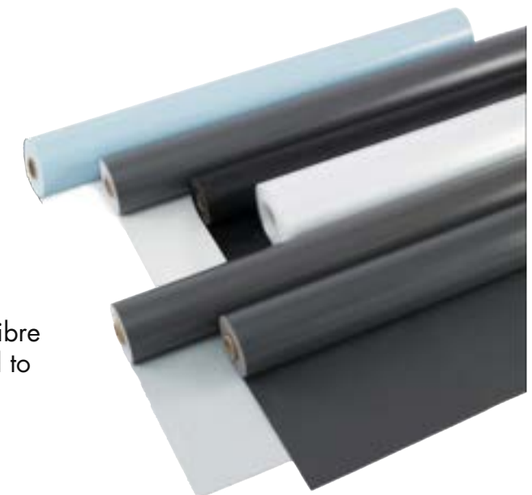
Engineered to withstand extreme climates, DANOPOL® membranes are manufactured with high-performance UV resistant inhibitors.

ROT PROOF / ROOT RESISTANT

DANOPOL® membranes are root-resistant and rot proof as standard.

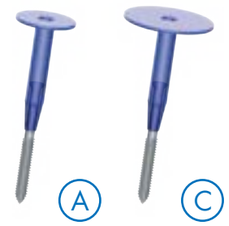
HIGHLY FLEXIBLE

Manufactured with a range of strong polyester and glass fibre reinforcements, our DANOPOL® membranes are designed to move and flex to accommodate building movement.



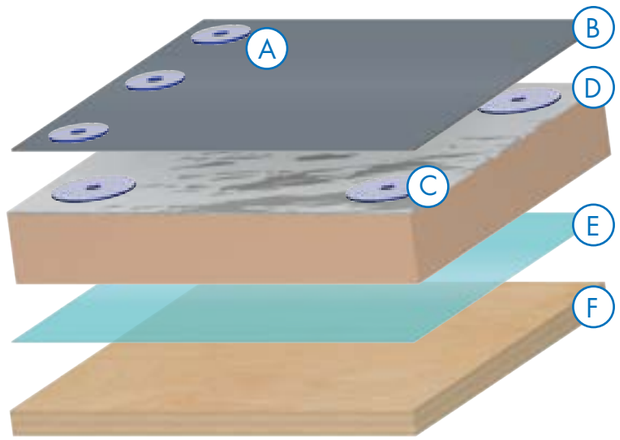
*Subject to key partners per region

THE MECHANICALLY FASTENED SYSTEM

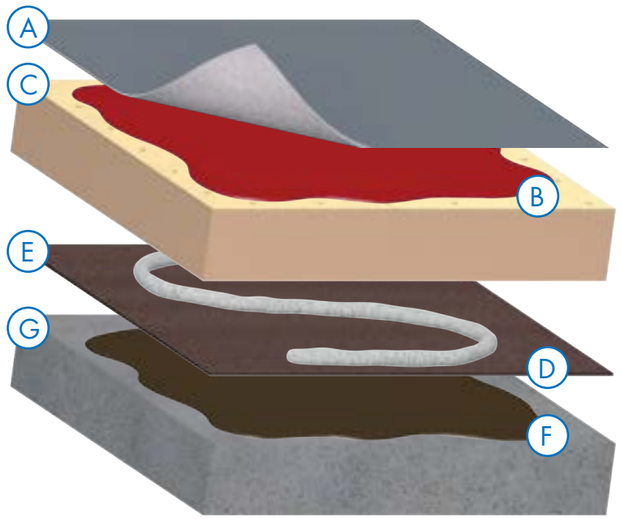


EXAMPLE SYSTEM COMPONENTS

- (A) SUREFAST SF-T-50 THERMAL-BREAK FASTENING SYSTEM (for mechanical attachment of membrane)
- (B) DANOPOL® HS MEMBRANE
- (C) SUREFAST SF-T-75 THERMAL-BREAK FASTENING SYSTEM (for mechanical attachment of insulation)
- (D) FOIL-FIX PIR INSULATION (insulated systems only)
- (E) AIR AND VAPOUR CONTROL LAYER (insulated systems only)
- (F) STRUCTURAL DECK



THE ADHERED FASTENED SYSTEM



EXAMPLE SYSTEM COMPONENTS

- (A) DANOPOL® HSF MEMBRANE
- (B) FLEECEBOND ADHESIVE
- (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

DANOPREN®

EPD®

Certification:
EPD N° S-P- 00501

BBA APPROVAL INSPECTION TESTING CERTIFICATION

Agrément Certificate
19/5704

Thermal insulation

Negligible long-term water absorption

High compressive strength

High durability

Recyclable boards

Environmental Product Declaration

THERMAL INSULATION

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.

SEE THE RANGE ONLINE

▶ 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 the insulation is installed above the waterproofing layer in an inverted roof system.

▶ HIGH COMPRESSION RESISTANCE

DANOPREN® TR boards resist point loads up to 300 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.

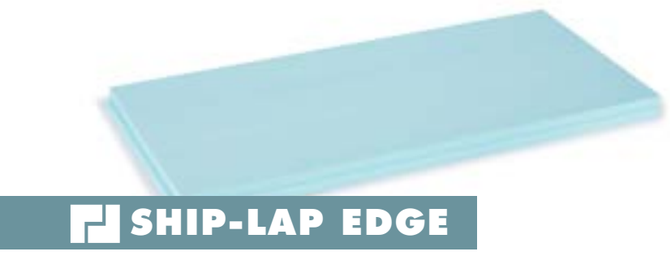


DANOPREN®

EPD®
Certification:
N° S-P- 00501

DANOPREN TR 40

RIGID XPS BOARD FOR INVERTED ROOFS AND FLOORS - 40MM THICK



SHIP-LAP EDGE

PRODUCT DATA
- Length (cm): 125
- Width (cm): 60
- Thickness (mm): 40
- m² per pack: 7.50
- Product code: 484003

DANOPREN TR 50

RIGID XPS BOARD FOR INVERTED ROOFS AND FLOORS - 50MM THICK



SHIP-LAP EDGE

PRODUCT DATA
- Length (cm): 125
- Width (cm): 60
- Thickness (mm): 50
- m² per pack: 6.00
- Product code: 484004

DANOPREN TR 60

RIGID XPS BOARD FOR INVERTED ROOFS AND FLOORS - 60MM THICK



SHIP-LAP EDGE

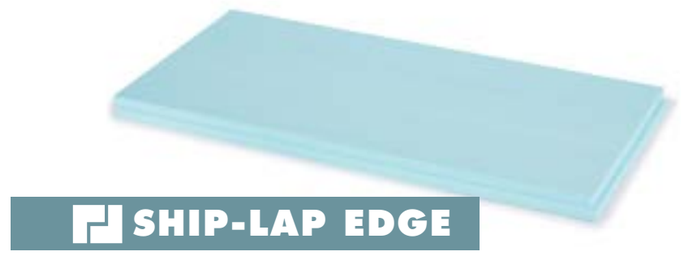
PRODUCT DATA
- Length (cm): 125
- Width (cm): 60
- Thickness (mm): 60
- m² per pack: 5.25
- Product code: 484007

DANOPREN®

BBA APPROVAL INSPECTION TESTING CERTIFICATION
Agrément Certificate
19/5704

DANOPREN TR 80

RIGID XPS BOARD FOR INVERTED ROOFS AND FLOORS - 80MM THICK



SHIP-LAP EDGE

PRODUCT DATA
- Length (cm): 125
- Width (cm): 60
- Thickness (mm): 80
- m² per pack: 3.75
- Product code: 484008

DANOPREN TR 100

RIGID XPS BOARD FOR INVERTED ROOFS AND FLOORS - 100MM THICK



SHIP-LAP EDGE

PRODUCT DATA
- Length (cm): 125
- Width (cm): 60
- Thickness (mm): 100
- m² per pack: 3
- Product code: 484009

DANOFLOW

A WATER FLOW REDUCTION LAYER

Permeable to water vapour but impermeable to liquid water. Installed on top of DANOPREN® TR XPS in an inverted roof system to reduce rainwater cooling effects and board flotation risk.

PRODUCT DATA
- Length (cm): 5,000
- Width (cm): 150
- Roll weight (kg): 11.5
- Rolls per pallet: 42
- Product code: 320744

UPSTAND BOARD

A 50mm DANOPREN® XPS upstand board with a 6mm fibre cement board.

PRODUCT DATA
- Length (cm): 120
- Width (cm): 60
- Units per pallet: 30
- m² per pallet: 21.6
- Product code: 321946

DANOPREN®

FOR BASEMENT STRUCTURES

A COMPLETE SOLUTION FOR IMPROVING
THE LIVABILITY OF BASEMENTS.



Danosa Basement Structure Systems are complete waterproofing, insulation, protection and drainage systems for buried structures.

The system assures the building's proper protection against water, as well as thermally insulating and facilitating proper drainage.

ADVANTAGES:

- Complete waterproofing, thermal insulation and drainage system:
  - Highly durable.
  - Waterproofing system resistant to root penetration.
  - Puncture-resistant.
  - Resistant to gardening activities.
  - Easy to install (self-adhesive option).
  - Highly compression-resistant drainage system.
- Thermal insulation with zero water absorption.
- Systems technically evaluated by independent organisations

SEE THE RANGE ONLINE

DANOLOSA®

INSULATING SLAB FOR WALKABLE ROOFS



DANOLOSA® is an insulating tile consisting of a porous concrete floor, which acts as mechanical protection of an extruded polystyrene insulating base, resulting in a surface that is resistant and thermally insulated. DANOLOSA® allows inverted roofs to be completely walkable and supports the placement of benches, equipment and other facilities on the roof.

DANOLOSA 7.5

PRODUCT DATA

- Length (cm): 50
- Width (cm): 50
- Thickness (mm): 75
- Units per pallet: 68
- Product code: 711022



DANOLOSA 8.5

PRODUCT DATA

- Length (cm): 50
- Width (cm): 50
- Thickness (mm): 85
- Units per pallet: 60
- Product code: 711023

DANOLOSA 9.5

PRODUCT DATA

- Length (cm): 50
- Width (cm): 50
- Thickness (mm): 95
- Units per pallet: 52
- Product code: 711021



DEMONSTRATION OF DANOLOSA SLABS, SIDE BY SIDE



DANOPREN XPS INSULATION, READY TO DISTRIBUTE

ORDER DETAILS

Code	Product Name	Size (mm)	Thickness (mm)	Number of Panels	m²/ package	Thermal conductivity (W/m², °K)	Thermal Resistance (m2, °K/W)	Resistance to compression	Surface
484003	Danopren TR 40	1250 x 600	40	10	7.5	0.034	1.17	300	Smooth
484004	Danopren TR 50	1250 x 600	60	8	6	0.033	1.50	300	Smooth
484007	Danopren TR 60	1250 x 600	60	7	5.25	0.036	1.67	300	Smooth
484008	Danopren TR 80	1250 x 600	80	5	3.75	0.036	2.22	300	Smooth
484009	Danopren TR 100	1250 x 600	100	4	3	0.037	2.77	300	Smooth

Code	Product Name	Size (m)	Units/Pallet	m²/Unit	m²/Pallet
320744	Danoflow	50 x 1.5	42	75	3150
321946	Danopren Upstand Board	1.2 x 0.6	30	0.72	21.6

Code	Product Name	Size (mm)	Thickness (mm)	Panels/Pallet	Concrete Thickness (mm)	Thermal conductivity (W/m², °K)
711022	Danolosa 7.5	500 x 500	75	68	35	0.034
711023	Danolosa 8.5	500 x500	85	60	35	0.034
711021	Danolosa 9.5	500 x 500	95	52	35	0.034

COMPATIBLE SOLUTIONS



Built-Up Felt flat roof system



Not passable inverted flat roof



Intensive landscaped flat roof

STORAGE AND PRESERVATION

- Do not expose to temperatures exceeding 75 °C.
- They must be protected from direct sunlight during storage for long periods of time.
- They can be stored outdoors, unaffected by rain, snow or ice.





ACOUSTIC INSULATION

DANOSA has over 60 years' experience in market-leading, revolutionary acoustic products and systems.

Our high performance acoustic insulation products will help to ensure that all elements that make up the interior enclosures of buildings have adequate characteristics to reduce the transmission of both airborne and impact noise.

SEE THE RANGE ONLINE

EASY TO INSTALL

With self-adhesive options, like M.A.D. Auto-adhesives or the FONODAN® range, our acoustic membranes offer easy and low cost installation. Non self-adhesive products are taped or stapled in place.

HIGHLY DURABLE

Our products are designed to last. They have a high resistance to tearing and offer good compressive strength.

THERMAL PROPERTIES

CONFORDAN®, CONFORDAN® ECO and IMPACTODAN® BT are all compatible with underfloor heating and each perform well, even when exposed to different temperatures. They offer thermal comfort as well as acoustic insulation.

GREAT FLEXIBILITY

Most membranes offer a high level of flexibility, meaning you can insulate surfaces that might not be flat or level.



LOW FREQUENCIES: COVERED

Our M.A.D.® Bituminous Membranes absorb low sound frequencies, protecting ears from road noise, aircrafts passing, the murmur of Air Conditioning units and more.

COST-EFFECTIVE

When it comes to cost-effect acoustic insulation, Danosa products offer the best quality for the lowest price.

CONFORDAN

CONFORDAN

IMPACT NOISE INSULATION FOR WOODEN & LAMINATED FLOORS



PRODUCT DATA

- Length (cm): 1500
- Width (cm): 95
- Thickness (mm): 3
- Improves standard noise level (dB): 18
- Product code: 620032

CONFORDAN® is a flexible sheet of chemically cross-linked, closed decelerated polyethylene, finished with an upper-face of aluminised LDPE film. Acoustically the product works as a dampener applied in a mass-spring-mass system.

Impact sound insulation · Great flexibility · Easy and quick to install · Minimal thickness · Resistant to moisture · High durability · Thermal comfort

CONFORDAN ECO

IMPACT-SOUND INSULATION FOR WOODEN FLOORS



PRODUCT DATA

- Length (cm): 2500
- Width (cm): 100
- Thickness (mm): 2.5
- Improves standard noise level (dB): 17
- Product code: 620031

CONFORDAN® ECO is a highly durable flexible sheet covered on one side with closed-cell chemically cross-linked polyethylene, which gives the product an elastic internal structure. It's designed to insulate residential wood floor systems and complements the IMPACTODAN system.

Impact-sound insulation · Compatible with Underfloor heating · Highly durable · Excellent value for money · Easy and quick installation · Minimum thickness

IMPACTODAN®

EPD®
Certification:
N° S-P-01924

IMPACTODAN BT

IMPACT NOISE INSULATION WITH HIGH ACOUSTIC PERFORMANCE

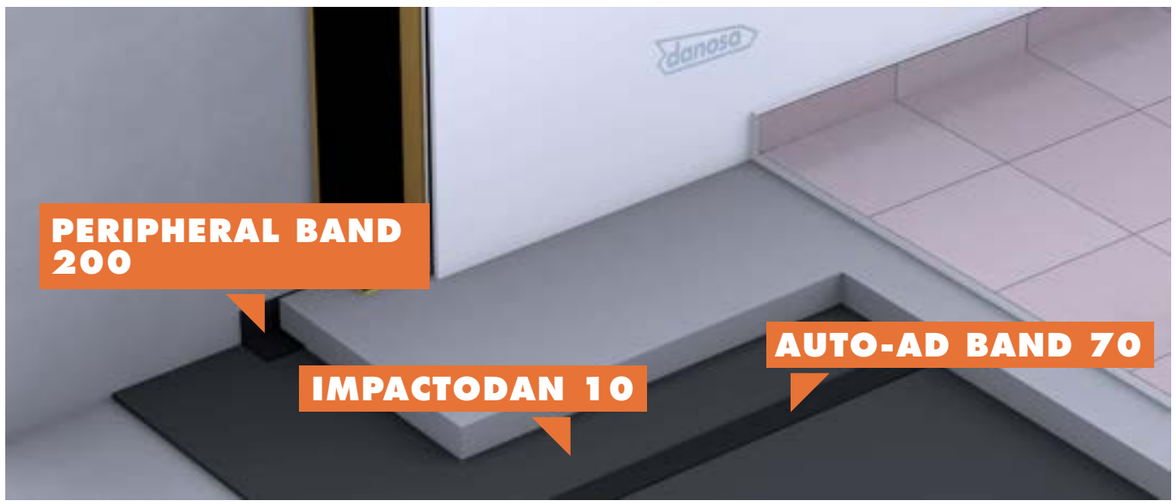


PRODUCT DATA

- Length (cm): 2500
- Width (cm): 106
- Thickness (mm): 3
- Improves standard noise level (dB): 20
- Product code: 620051

IMPACTODAN® BT is a flexible sheet of chemically cross-linked polyethylene, closed cell on one side, and medium density that provides the product with an internal elastic structure. Acoustically it works as a shock absorber applied in a mass-spring-mass system.

Acoustic insulation for impact noise · Compatible with underfloor heating · Great durability · Easy application · Resistance to pressure · Comfortable to walk · Fit for irregular floor



IMPACTODAN®

EPD®
Certification:
N° S-P-01924

IMPACTODAN 5 I 1X15M

FLEXIBLE POLYETHELENE ACOUSTIC INSULATION - 5MM THICK



PRODUCT DATA

- Length (cm): 1500
- Width (cm): 100
- Thickness (mm): 5
- Improves standard noise level (dB): 20
- Product code: 620015

IMPACTODAN 5 I 2X50M

FLEXIBLE POLYETHELENE ACOUSTIC INSULATION - 5MM THICK



PRODUCT DATA

- Length (cm): 5000
- Width (cm): 200
- Thickness (mm): 5
- Improves standard noise level (dB): 20
- Product code: 620005

IMPACTODAN 10 I 2X25M

FLEXIBLE POLYETHELENE ACOUSTIC INSULATION - 10MM THICK



PRODUCT DATA

- Length (cm): 2500
- Width (cm): 200
- Thickness (mm): 10
- Improves standard noise level (dB): 21
- Product code: 620017

IMPACTODAN®

EPD®
Certification:
N° S-P-01924

PERIPHERAL BAND 200

TAPE USED FOR INSULATION BETWEEN MORTAR SCREEDS & WALLS



PRODUCT DATA

- Length (cm): 2500
- Width (cm): 20
- Thickness (mm): 3
- m^2/package: 5
- Product code: 620044

IMPACTODAN® Peripheral Band is composed of closed cell cross-linked polyethylene , 3mm thick and 200 mm wide.It is used as auxiliary product when installing IMPACTODAN®´s solution for decks. It allows to disband perimeter walls form the mortar deck, avoiding transmission of vibrations trough walls.

OVERLAPPING AUTO-AD TAPE 70

TAPE USED TO SEAL JOINTS BETWEEN IMPACTODAN MEMBRANES



PRODUCT DATA

- Length (cm): 2500
- Width (cm): 7
- Thickness (mm): 3
- m^2/package: 1.75
- Product code: 620045

IMPACTODAN® Overlapping Auto-adhesive Band is composed of cross-linked polyethylene foam, 3mm thick and 70mm wide.It is used as auxiliary product when installing Impactodan´s solution for decks. It ensures a correct overlapping between Impactodan rolls, avoiding acoustic short circuits that could reduce insulation effectiveness.

FONODAN®

EPD®
Certification:
N° S-P-04340

FONODAN BJ

AUTOADHESIVE TAPE FOR THE ACOUSTIC INSULATION OF DOWNSPOUTS



SELF ADHESIVE

PRODUCT DATA
- Length (cm): 1000
- Width (cm): 42
- Thickness (mm): 4
- Insertion loss IL > 17dBA (full system)
- Product code: 610207

FONODAN® BJ is a two-layer tape formed by a self-adhesive membrane of high density and a chemically cross-linked polyethylene therm-welded to the previous one. Eliminates the resonance frequencies in metal and PVC downpipes.

Airborne acoustic insulation · Greater sound protection · Autoadhesive · Minimal thickness Easy application · Great resistance to tear

FONODAN 900

HIGH PERFORMANCE LOW-NOISE IMPACT-SOUND INSULATION



SELF ADHESIVE

PRODUCT DATA
- Length (cm): 1000
- Width (cm): 92
- Thickness (mm): 4
- Product code: 610201

FONODAN® 900 is a two-layer product consisting of a high-density self-adhesive membrane and a chemically cross-linked polyethylene heat-sealed to it, providing acoustic mass to the surface, removing resonant frequencies.

Impact-sound insulation · Improves wall insulation · Insulates reflection noise · Crush resistance · Vapour barrier · Footfall comfort · Suitable for uneven floors · Highly durable

FONODAN®

EPD®
Certification:
N° S-P-04340

FONODAN 50

AUTOADHESIVE TAPE FOR ACOUSTIC INSULATION OF PLASTERBOARD WALLS



PRODUCT DATA
- Length (cm): 1000
- Width (cm): 4.6
- Thickness (mm): 3.9
- m^2/package: 3.22
- Product code: 610202

FONODAN 70

AUTOADHESIVE TAPE FOR ACOUSTIC INSULATION OF GULLY TRAPS



PRODUCT DATA
- Length (cm): 1000
- Width (cm): 6.6
- Thickness (mm): 3.9
- m^2/package: 5.28
- Product code: 610208

FONODAN 130

AUTOADHESIVE BAND FOR ACOUSTIC INSULATION DRAINPIPE ELBOWS AND OTHER FITTINGS



PRODUCT DATA
- Length (cm): 1000
- Width (cm): 13.2
- Thickness (mm): 3.9
- m2/package: 5.28
- Product code: 610209

M.A.D.

EPD®
Certification:
N° S-P-01923

BITUMINOUS MEMBRANE FOR ACOUSTIC INSULATION OF LOW FREQUENCIES



Acoustic insulation · Greater sound protection · Low frequency isolation · Minimum thickness · Easy & fast installation · Improvement resonance

M.A.D.® is a bituminous sheet armed with mineral charges, coated on its external faces by a high density polyethylene film. Acoustically it works as a plastic element between elements rigid, being an effective substitute for lead; between elements spring works as membrane resonator (typical absorber at low frequencies).



M.A.D.

EPD®
Certification:
N° S-P-01923

M.A.D 2

2mm THICK

PRODUCT DATA
- Length (cm): 1200
- Width (cm): 100
- Thickness (mm): 2
- Airborne Noise Improvement: >3
- Product code: 610034



M.A.D 4

4mm THICK

PRODUCT DATA
- Length (cm): 600
- Width (cm): 100
- Thickness (mm): 4
- Airborne Noise Improvement: >6
- Product code: 610035

M.A.D 4
AUTOADHESIVE SHEETS

4mm THICK

PRODUCT DATA
- Length (cm): 120
- Width (cm): 100
- Thickness (mm): 4
- Airborne Noise Improvement: >6
- Product code: 610017

M.A.D 6

6mm THICK

PRODUCT DATA
- Length (cm): 450
- Width (cm): 100
- Thickness (mm): 6
- Airborne Noise Improvement: >10
- Product code: 610018

M.A.D 4
AUTOADHESIVE 1X6M

4mm THICK

PRODUCT DATA
- Length (cm): 600
- Width (cm): 100
- Thickness (mm): 4
- Airborne Noise Improvement: >6
- Product code: 610036

M.A.D 6
AUTOADHESIVE 1X4.5M

6mm THICK

PRODUCT DATA
- Length (cm): 450
- Width (cm): 100
- Thickness (mm): 6
- Airborne Noise Improvement: >10
- Product code: 610018

ORDER DETAILS

Code	Product Name	Dimensions (m)	Thickness (mm)	Presentation	Reduction In Noise ΔLn (dB)
620032	Confordan	0.95x15	3	12 Rolls/Pallet	18
620031	Confordan ECO	1x25	2.5	12 Rolls/Pallet	17
620044	Peripheral Band 200	0.2x25	3	48 Units/Pallet	-
620045	Overlapping Auto-AD Tape 70	0.07x25	3	3600m²/Pallet	-
620051	Impactodan BT	1.06x25	3	12 Rolls/Pallet	20
620015	Impactodan 5 | 1x15m	1x15	5	12 Rolls/Pallet	20
620005	Impactodan 5 | 2x50m	2x50	5	4 Rolls/Pallet	20
620017	Impactodan 10	1x15	10	4 Rolls/Pallet	21
610207	Fonodan BJ	0.42x10	4	32 Rolls/Pallet	>12
610201	Fonodan 900	0.92x10	4	16 Rolls/Pallet	22
610202	Fonodan 50	0.046x10	3.9	7 Rolls/Box	>3
610208	Fonodan 70	0.066x10	3.9	8 Rolls/Box	>12
610209	Fonodan 130	0.132x10	3.9	4 Rolls/Box	>17
610034	M.A.D. 2	1x12	2	360m²/Pallet	>3
610035	M.A.D. 4	1x6	4	180m²/Pallet	>6
610036	M.A.D. 4 Autoadhesive | 1x6m	1x6	4	180m²/Pallet	>6
610017	M.A.D. 4 Autoadhesive Sheets	1x1.2	4	150m²/Pallet	>6
610011	M.A.D. 6	1x4.5	6	126m²/Pallet	>10
610018	M.A.D. 6 Autoadhesive	1x4.5	6	126m²/Pallet	>10





EXAMPLE OF ACOUSTIC INSULATION IN A HOTEL ROOM



IMPACTODAN PRODUCTION FACILITY, FONTANAR, SPAIN

INTRODUCING:

GEOTEXTILES & DRAINAGE

Seeking filter fleeces with excellent mechanical and hydraulic properties? Or drainage layers for green roofs? DANOSA has you covered.

Geotextiles are generally used for filtration, separation, drainage, protection and even to prevent adhesion between layers within the building system, whilst our drainage solutions are layers that combine into green roof systems to enhance water retention or filtration.

GEOTEXTILES RANGE

DRAINAGES RANGE

MECHANICAL PROTECTION

DANOFELT® geotextiles provide great mechanical protection and increase the useful lifespan of the elements it protects.

A SUSTAINABLE SOLUTION

Our DANOFELT® and DANODREN® products are all made from 100% recycled materials.

GREAT DURABILITY

Manufactured to last; our DANOFELT® materials are designed to move and flex to accommodate building movement.

EASY TO INSTALL

Just make sure the substrate is resistant, uniform, compact, clean, dry and free from foreign bodies.



DANODREN®

DANODREN H10

HDPE NODULAR DRAINAGE LAYER



PRODUCT DATA

- Length (cm): 3000
- Width (cm): 210
- Thickness (mm): 7.5
- Colour: Brown
- Product code: 314311

DANODREN® H is a 7.5mm depth, brown nodular sheet made of high density polyethylene (HDPE) of for protection and vertical drainage. It's easy to install, is highly robust, acts as a permanent drainage layer and has excellent protection properties.

Easy installation · Robust solution · Permanent drainage layer · Excellent protection properties

DANODREN H15 PLUS

HDPE NODULAR DRAINAGE AND GEOTEXTILE GEOCOMPOSITE



PRODUCT DATA

- Length (cm): 1800
- Width (cm): 210
- Thickness (mm): 7.5
- Colour: Brown
- Product code: 314204

DANODREN® H PLUS is a brown 7.5.mm nodular sheet of high density polyethylene (HDPE) with a pre-bonded polypropylene non-woven geotextile for protection and vertical drainage. It's easy to install, is highly robust, acts as a permanent drainage layer and has excellent protection properties.

Easy installation · Robust solution · Permanent drainage layer · Excellent protection properties

DANODREN®

DANODREN GARDEN

HDPE NODULAR DRAINAGE AND GEOTEXTILE GEOCOMPOSITE FOR GREEN ROOFS



PRODUCT DATA

- Length (cm): 1800
- Width (cm): 210
- Thickness (mm): 7.5
- Colour: Green
- Product code: 314203

DANODREN@ GARDEN is a green 7.5mm nodular sheet of high density polyethylene (HDPE) with a pre-bonded polypropylene non woven geotextile for protection and horizontal drainage, designed for drainage and filtration. Suitable for landscaping and green roof areas.

Easy installation · Robust solution · Permanent drainage layer · Suitable for green roofs · Excellent protection properties



DANODREN IN PRODUCTION

DANOFELT®

DANOFELT PY 300

300G/M² NON-WOVEN **POLYESTER** GEOTEXTILE



PRODUCT DATA

- Length (m): 52
- Width (m): 1.45
- Thickness (mm): 2.6
- Density (kg/m²): 115
- Product code: 710099

DANOFELT® PY is a non-woven geotextile formed by polyester threads, interwoven by needling, without the need or application of chemical binders. It has excellent mechanical and hydraulic behaviour.

High puncture resistance · High tensile strength · Separation materials & maintains their properties · Great durability · Resistant to inclement weather · Easy application to supports

DANOFELT PP 200

200G/M² NON-WOVEN **POLYPROPYLENE** GEOTEXTILE



PRODUCT DATA

- Length (m): 100
- Width (m): 2.25
- Thickness (mm): 1.74
- Product code: 710902

DANOFELT® PP is a non-woven geotextile formed by polypropylene threads, interwoven by needling, without the need or application of chemical binders. It has excellent mechanical and hydraulic behaviour.

High puncture resistance · High tensile strength · Separation materials & maintains their properties · Great durability · Resistant to inclement weather · Easy application to supports

EXAMPLE SYSTEMS

USING DANODREN MEMBRANES AND DANOFELT GEOTEXTILES



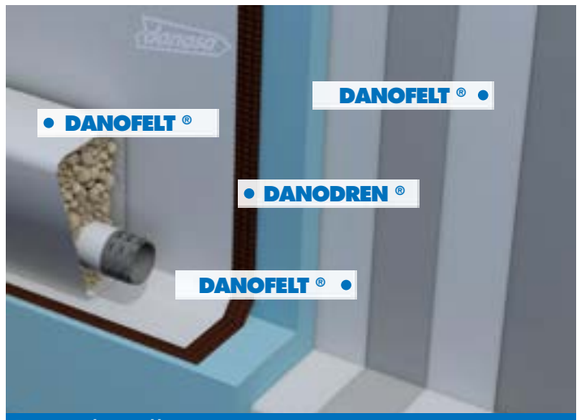
Buried wall for basement



Ballasted inverted flat roofs



Acoustic solutions



Buried walls

ORDER DETAILS

Code	Product Name	Dimensions (m)	Thickness (mm)	Rolls/Pallet	Area/Roll (m²)
314311	Danodren H10	2.1x30	7.5	6	63
314321	Danodren H15 Plus	2.1x15	7.5	6	31.5
314076	Danodren Jardin	2.1x20	7.5	6	42
710099	Danofelt PY 300	1.45x52	2.6	5	75
710902	Danofelt PP 200	2.25x100	1.74	8	225





GREEN ROOFS

Current market reports show a very healthy year on year growth for the green/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.

M-TRAY PRE-ESTABLISHED MODULAR TRAYS

Traditionally, green/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.

M-TRAY®

M-TRAY SEDUM

MODULAR TRAY WITH A SUPERIORSUBSTRATE MIX AND FLOWERING SEDUM.



PRODUCT DATA

- Length (cm): 50
- Width (cm): 50
- Tray Height (mm): 100
- m²/package:
- Product code: 321670

Easy to carry trays that click together to form a seamless green roof. Carefully spaced drainage holes ensure the modules retain water for longer, allowing plants to absorb more rainfall, increasing attenuation and delaying discharge to outlets.

M-TRAY WILDFLOWER

SPECIALLY DESIGNED TRAY WITH A BESPOKE SUBSTRATE MIX AND NATIVE WILD FLOWERS.



PRODUCT DATA

- Length (cm): 50
- Width (cm): 50
- Tray Height (mm): 100
- m²/package:
- Product code: 321671

The flowers within Wildflower trays are low growing species with a high succulence. They are all native to the UK and will grow in low nutrient substrates. Click-together trays make for a seamless connection and easy transportation/installation.



PEBBLES

WASHED RIVERSTONE PEBBLES FOR DRESSING EDGES AND FIRE BREAKS

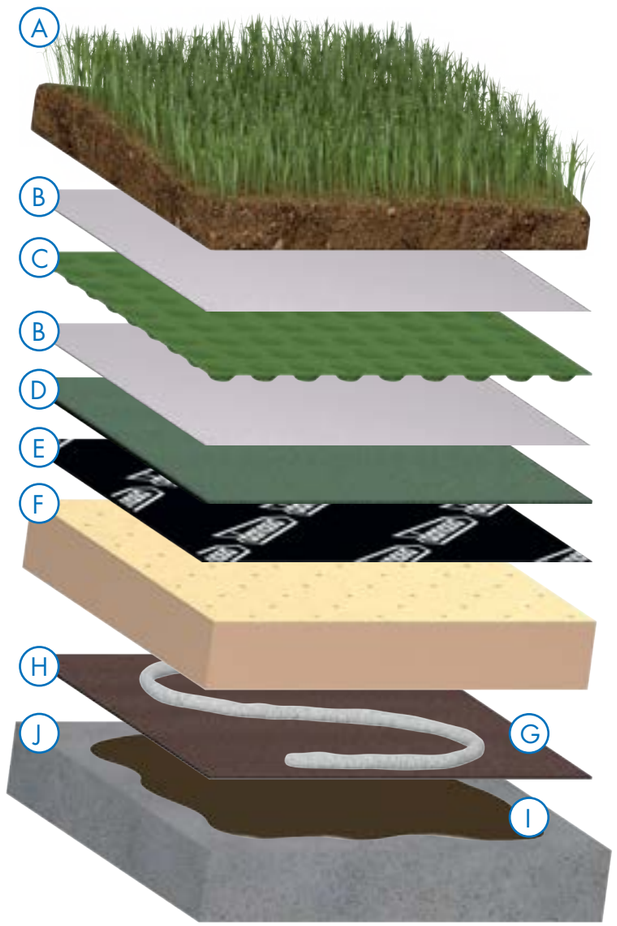
PRODUCT DATA

- Weight (kg): 25
- Coverage/100kg: Approx. 1m²
- m²/package:
- Product code: 321672

ORDER DETAILS

Code	Product Name	Dimensions (m)	Thickness (mm)	Weight (kg)	m²/pallet
321671	M-TRAY 100 Sedum	0.5x0.5	100	-	-
321671	M-Tray 100 Wildflower	0.5x0.5	100	-	-
321672	PEB 2040-z	-	-	25	-

EXAMPLE GREEN/LIVING ROOF SYSTEM USING ESTERDAN®



TYPICAL SYSTEM COMPONENTS

A DANOSA M-TRAY
(as specification)

B DANOFELT® PY 300
(geotextile protection and filtration layer)

C DANODREN® JARDÍN
(specialist drainage as specification)

D ESTERDAN® 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



SUSTAINABILITY COMMITMENTS

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 operations and sourcing.

OUR DAY-TO-DAY SUSTAINABLE ACTIONS

PACKAGING

Our plan is to not only reduce the amount of packaging we use, but for any packaging we do require, we'll only be purchasing materials that are made of recycled products.

PROMOTION

We're going to use our position as a market leader to promote sustainable options in other European businesses.

COMMERCIAL

Our team will continue to promote high impact products and those that are positive on sustainability.



PRODUCTION

We'll be improving the efficiency of all production processes, meaning less energy is required, all whilst we maintain the same incredible output.

INNOVATION

Our Research & Development Team will be incorporating recycled materials into the design of new products.

DANOSA RECYCLING

Danosa Recycling was born in 2012 from a concern and need for DANOSA to find solutions in managing the waste generated during production processes. Danosa Recycling is another step in our commitment to the environment and the circular economy. Currently, Danosa Recycling not only gives value to the waste generated in its own industrial processes, but also processes and recycles the waste generated by other businesses and industries to give said waste a second life and promote sustainability in the Construction sector.



RESEARCH & DEVELOPMENT LAB
FONTANAR, SPAIN



DANOSA RECYCLING FACILITY
FONTANAR, SPAIN



TO ORDER, SEND YOUR PURCHASE ORDER TO UKORDERS@DANOSA.COM

HOW TO ORDER



PLACING YOUR ORDER

To ensure your delivery expectations are met and to minimise the risk of disruption, please include the following information in your order:

- Purchase Order reference number
- Product codes
- Material quantities
- Quotation number (where applicable)
- Full delivery address and post code
- Delivery contact name and mobile number
- Details of any delivery restrictions that apply, e.g: timed access, specific offload requirements etc.

DELIVERIES OUTSIDE ENGLAND & WALES

All delivery rates stated in our pricelists presume a single delivery to a mainland address in either England or Wales only. All orders for Scotland, Northern Ireland or the Republic of Ireland will be priced on application.

COLLECTIONS

Stocked materials can be collected from our Head Office in Havant but must be booked in advance to ensure that the materials can be coordinated in a safe and efficient manner.

ORDER CONFIRMATION

On the day of dispatch, you'll receive an order confirmation. For bespoke products, such as (but not limited to) bespoke metal flashings, you may receive an anticipated delivery date at the order confirmation stage. If there's a problem with your order confirmation, please let us know immediately (no longer than 24 hours after) so we can attend to any amendments.

RECEIVING GOODS

We are unable to offload goods to an unattended or closed location, so all deliveries should be considered kerbside only unless specifically arranged in advance. Good should be signed for and the recipient name should be clearly printed next to the signature so that in the event of a problem, the receiver can be identified. When signing for goods, they are deemed as accepted and cannot be reported as damaged at a later date, so please ensure you check your deliveries carefully. Damaged goods should be photographed and provided to us no later than 24 hours after the deliver was made. Any claims received after 24 hours are unable to be either fairly or reasonably attributed to the delivery itself and cannot be processed by our network.

AMENDING OR CANCELLING YOUR ORDER

To avoid any charges or disruption, please notify us a minimum of 72 hours before the scheduled delivery of any intended modifications, including postponing of the delivery date. For cancelled or returned orders which have already been dispatched, a 20-30% restocking fee will be charged for all materials dispatched from our warehouse. Other items, such as insulation may be subjected to additional handling and restocking charges which will be confirmed once received.

Please ensure that your order is accurate and any delivery considerations are made clear at the time as all abortive charges for failed attempted deliveries will be applied directly to your account.

Building together

MANUFACTURERS OF FLAT ROOFING MATERIALS, THERMAL & ACOUSTIC INSULATION & DRAINAGE

Discover a world of DANOSA solutions

danosa.co.uk

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