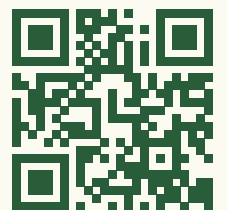


DEVELOPED FOR PROFESSIONALS

Sustainable solutions for outdoor spaces





ECCO Products is a manufacturer of premium solutions for permeable paving and sustainable outdoor spaces.

Becoming Europe's number one reference for permeable solutions: that is our goal. That's why we work every day on improvements to our product portfolio of permeable gravel mats, grass grids, stone carpet, garden edging, green roofs and jointing solutions.

WHY CHOOSE ECCO PRODUCTS

1 PREMIUM PRODUCT QUALITY

Our products are developed for intensive outdoor use. Long lifespan, resistant to heavy traffic and weather conditions: we won't settle for anything less.

2 TECHNICAL RELIABILITY

Proven performance, independent certifications and complete technical documentation for each product. All the information you need to specify, advise and install correctly.

3 IN ACCORDANCE WITH THE LATEST REGULATIONS ON HARD SURFACING

Our products contribute to water permeability and a climate-resilient design of outdoor spaces. This way, you can be sure you comply with the increasing regulations on surfacing and water drainage.

4 EFFICIENCY FOR THE PROFESSIONAL

Practical, quick and easy to install. Clear installation documentation, technical advice on request and a team that provides support for complex applications.

5 LOYAL NETWORK OF RESELLERS

We work exclusively through resellers and purchasing groups. Our focus, besides delivering quality products? Actively supporting our resellers with marketing, leads and sales material.

DEVELOPED AND PRODUCED IN EUROPE

ECCO Products manufactures entirely in Europe. A deliberate choice for consistent quality control at our own production sites, guaranteed supply without reliance on intercontinental supply chains, and a shorter transport chain that contributes to our sustainability goals.

TOGETHER WE CAN REALLY INFILTRATE THE PLANET.

Sustainable solutions for outdoor spaces

ECCO Products develops and produces **premium permeable solutions** for outdoor spaces. Products that allow rainwater to infiltrate on site, comply with regulations, last for years and are easy to install. The **number one European reference** for those who rely on **quality and reliability**.

Engagement

1300 resellers across Europe

+20mln unpaved m² thanks to ECCO products

#1 market leader in permeable solutions

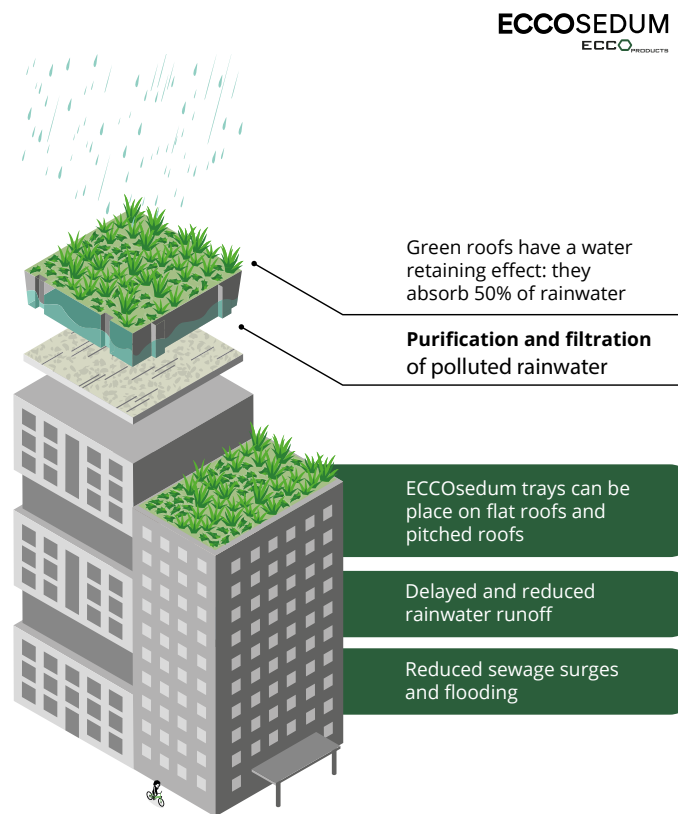
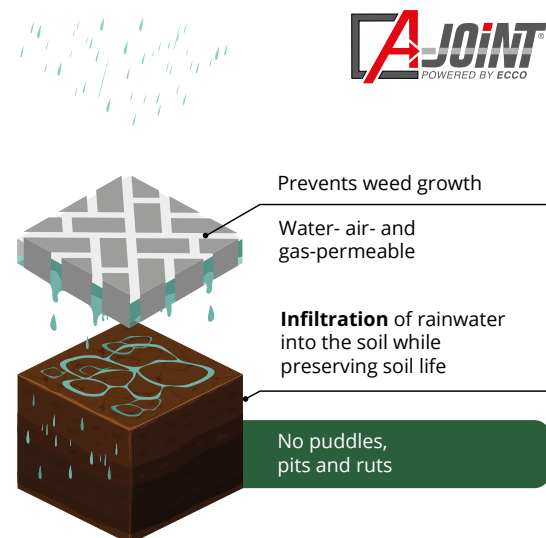
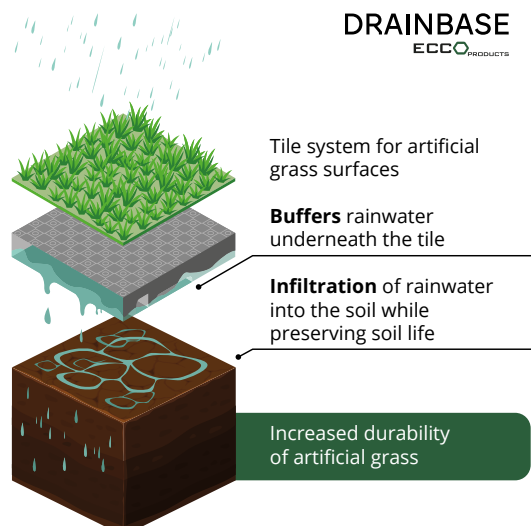
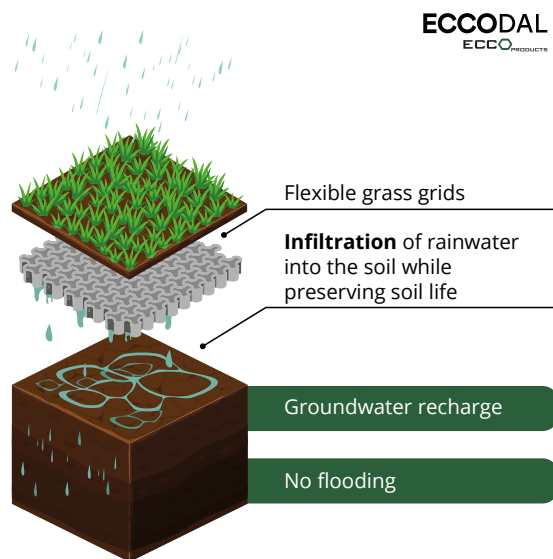
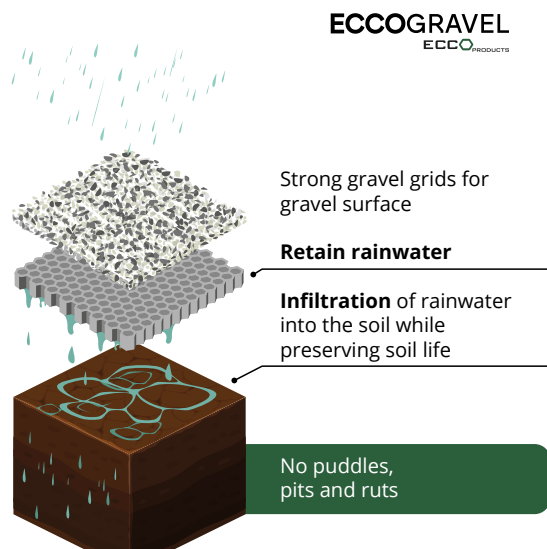
100% European production and quality



PERMEABLE SURFACE



NON-PERMEABLE SURFACE



 Protection and enrichment of biodiversity	 Efficient sound insulation
 Longer lifespan than ordinary roofing	 Positive effect on mood & physical health
 Optimised efficiency of solar panels	 Positive effect on work satisfaction & productivity
 Optimisation of thermal isolation	 Financial benefit



THESE SYSTEMS ARE MAXIMALLY **RECYCLED** AND **100% RECYCLABLE**



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WATER-PERMEABLE PRODUCTS

Sustainable solutions for water and paving that go perfectly together.

ECCO Products offers a wide range of permeable solutions that allow rainwater to infiltrate on site and contribute to a more sustainable living environment: from gravel grids and grass pavers to jointing solutions and artificial grass drainage.

GRAVEL GRIDS | GRASS PAVERS | ARTIFICIAL GRASS DRAINAGE



ECCOGRAVEL

HDPE gravel grids for maximum durability, stability and service life

For a perfectly permeable surface in accordance with the highest quality standards

ADVANTAGES

- + Frost- and UV-resistant gravel grid in HDPE with high compressive strength and impact value
- + Increased resistance against torsional loads thanks to plastic reinforcements between the cells
- + Very user-friendly: easy and quick to transport thanks to foldable format
- + Attached weed membrane made from polyester, open structure enables drainage whilst remaining strong and will not deteriorate over time.
- + Eliminates accessibility issues associated with gravel surfaces
- + Creates a smooth surface which is perfectly walkable and rideable

APPLICATIONS	20	30	40
Garden and foot paths	✓	✓	✓
Terraces	✓	✓	✓
Driveways and parking areas		✓	✓
Fire roads		✓	✓
Campsites ...		✓	✓



INSTALLATION

1. FOUNDATION

Limestone rubble, porphyry rubble, or crushed concrete rubble (chip size: 0-32 mm or 0-40 mm). We advise against brick rubble, as it pulverises over time.

2. LEVELLING LAYER

The levelling layer may consists of:

- + Sharp sand
- + Limestone or porphyry 2-4 mm, 1-3 mm, 0-4 mm

3. GRAVEL GRID

A deeper gravel grid provides a better load distribution onto the foundation..

4. TOP LAYER

The honeycomb structure should be covered with gravel (chip size 4-16 mm). For finer gravel types this will be about 1 cm, for coarser types 2 cm.

SPECIFICATIONS

- ✂ GRID DIMENSIONS: 80 x 120 cm (ECCOgravel 20)
160 x 120 cm (ECCOgravel 30 en 40)
- GRID HEIGHT: 3 cm (ECCOgravel 30)
4 cm (ECCOgravel 40)
- ∅ DIAMETER honey comb: 43 mm
- DENSITY HDPE: 0,95 g/cm³
- ⊞ MATERIAL honey comb: 100% HDPE
- ↑↑ COLOUR: grey, white or black (100% gerecycleerd)
- 📦 COMPRESSIVE STRENGTH:
EMPTY: ISO 844 - 90 tonnes/m²
FULL: ISO 844 - up to 400 tonnes/m²





MULTIDAL

ECCO PRODUCTS

Frost-resistant gravel/grass grid in HDPE with high pressure resistance

Ideal for intensive and frequent traffic

ADVANTAGES

- + Ergonomic and fast installation thanks to the effortless click system
- + Designed for filling with grass or gravel
- + Suitable for all gravel types with a fraction up to 25 mm
- + Resistant to high pressure: withstands heavy loads
- + Frost and UV resistant
- + Closed bottom for stability, yet highly permeable
- + Sustainability: 100% recyclable HDPE
- + Suitable for sloping areas (up to 20%)
- + Maintenance-friendly
- + Available in 2 colours: black (100% recycled material) or white*

INSTALLATION

1. Position the first Multidal parallel to the demarcation.
2. With the new click system, you easily connect the next grid. If you need to, you can also disconnect it.
3. We recommend to install the grids in half-brick bond. Start the second row with half a grid, Multidal is easy to cut with a grinding wheel.
4. Start the third row again with a full grid. Finish the entire surface in this way so the installation is halfbrick.

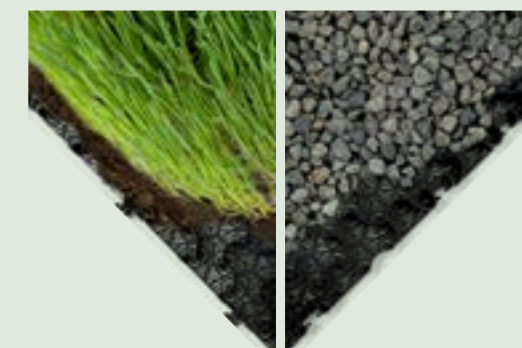
SPECIFICATIONS

- MATERIAL
100% HDPE - High Density Polyethylene
- DIMENSIONS: 113,2 x 78,3 cm (0,89 m²)
HEIGHT: 3 cm
- BREAKING STRAIN, UNFILLED:
300+ ton/m²
- WEIGHT: 3,75 kg
- COLOUR: black or white*

* The Multidal plates in the colour white may contain traces of the black color at the injection points. This has no influence on the quality of the product and will no longer be visible after filling.

APPLICATIONS

- + Driveways
- + Fire lanes
- + Garden and walking paths
- + Public parking lots and areas
- + Sloped terrains
- + Event grounds





ECCODAL

ECCO PRODUCTS

Strong grass grids for green car parks, driveways and footpaths

Made from recycled materials (PE-PP). The grass grid is equipped with internal expansion joints for absorbing thermal and mechanical tension.

ADVANTAGES

- + Grass grid in PE-PP: high compressive strength, high impact value and frost-resistant
- + Frost and UV resistant
- + Belgian quality product
- + Quickly installed thanks to its convenient dimensions 80 x 80 cm
- + Creates a smooth surface which is perfectly walkable and driveable

APPLICATIONS

- + Green parking areas, driveways, carports
- + Walkways and garden paths, campsites
- + Fire roads, bank reinforcement
- + Paddocks, horse arena's, ...



INSTALLATION

1. FOUNDATION

The foundation case can consist of: lava, limestone rubble, porphyry rubble or crushed concrete rubble (chip size distribution: 16-32 or 20-40 mm). Hollow spaces (about 80%) should be filled with topsoil.

2. SUBSTRATE LEVELLING LAYER

The substrate levelling layer may consist of: lava (0-4 mm)

3. GRASS GRID

A deeper gravel grid provides a better load distribution onto the foundation.

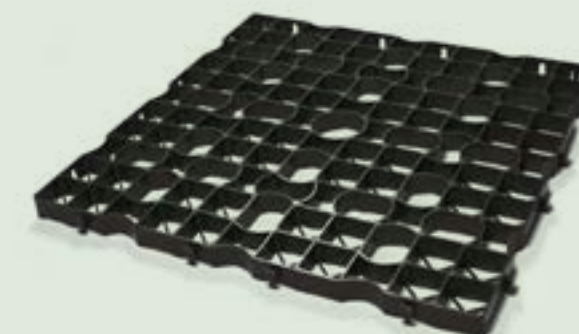
4. TOP LAYER

Add the substrate to the ECCODal grass grids up to 1 cm (max 0.5 cm) from the edge of the grid (that way, the growing area of the grass is protected in the grid). Add the grass to the grass grids (preferably grass with long roots, e.g. Festuca arundinacea). You can use a selfcompacting substrate, that way you no longer need to brush out anything as the substrate will compact naturally.

Every project is unique. These instructions are merely advisory.

SPECIFICATIONS

-  MATERIAL
100% recycled materials (PE-PP)
-  LENGTH (excl. connections): 80 cm
WIDTH (excl. connections): 80 cm
HEIGHT: 4 cm or 5 cm
-  WEIGHT PER GRID: 3,17 kg / 4,95 kg/m² (4 cm)
or 3,90 / 6,10 kg/m² (5 cm)
-  SIDE THICKNESS: 3,5 - 4 mm
-  COLOUR: grey-green or black





ECCODAL HD FLEX

ECCO PRODUCTS

Heavy-duty grass paver with thicker cell walls and stronger connections for heavier loads

Made from recycled materials (PE-PP)

ADVANTAGES

- + Ecological: 100% recycled and 100% recyclable
- + Unique and innovative shape for an aesthetic and uniform result after installation
- + Cell structure can perfectly absorb all thermal expansions
- + Thicker cell walls for increased torque resistance
- + More than 6 strong connections per meter between the grids
- + Large contact area at the bottom ensures better load distribution
- + Can also be placed in running bond for extra strength of the entire structure
- + Frost and UV resistant

APPLICATIONS

- + Driveways with grass and parking places
- + Fire roads
- + Walkways and garden paths
- + Campsites, paddocks, horse arena's, ...



INSTALLATION

1. FOUNDATION

The foundation can consist of: lava, limestone pebbles, porphyry pebbles or crushed concrete rubble (chip size: 16-32 or 20-40 mm). Hollow spaces (about 80%) should be filled with topsoil.

2. SUBSTRATE LEVELLING LAYER

The substrate levelling layer may consist of: lava (0-4 mm)

3. GRASS GRID

The grass grid provides a better load distribution onto the foundation.

4. TOP LAYER

Add the substrate to the ECCOdal grass grids up to 1 cm (max 0.5 cm) from the edge of the grid (that way, the growing area of the grass is protected in the valley). Add the grass to the grass grids (preferably grass with long roots, e.g. Festuca arundinacea). You can use a self-compacting substrate, that way you no longer need to brush out anything as the substrate will compact naturally.

Every project is unique. These instructions are merely advisory

SPECIFICATIONS

- ✚ MATERIAL
100% recycled materials (PE-PP)
- ✚ LENGTH (excl. connections): 78,5 cm
WIDTH (excl. connections): 58,5 cm
HEIGHT: 4 cm
- ↑↓ COLOUR: greygreen





ECCODAL parking caps

ECCO PRODUCTS

The perfect solution for demarcating your parking space

A clear and modern way

ADVANTAGES

- + Rectangular shape
- + Vertical tension ribs ensure the marker cap is firmly secured
- + Quick and easy to install and remove
- + More efficient use of the available space

SPECIFICATIONS

- ✂ DIMENSIONS: 74 mm x 74 mm (top of the marker))
- ↑↑ COLOUR: white
- ⚙ Made of polypropylene carbonate (PPC)



ECCOGRAVEL parking caps

ECCO PRODUCTS

For use with ECCOgravel in both heights

ADVANTAGES

- + Always supplied with matching screw
- + Cover cap for an aesthetic finish
- + Suitable for installation in screed, stabilised sand or concrete

APPLICATIONS

- + 8 to 10 marker caps per parking space
- + To be combined with ECCOgravel 30 or 40

ECCOmarkers worden steeds geleverd met bijbehorende schroef (geschikt voor bevestiging in chape, stabilisé of beton). Je hebt ongeveer 8 à 10 parkeerdoppen nodig per parkeerplaats.

SPECIFICATIONS

- ✂ DIMENSIONS
Marker: ø 85 mm (cover cap: ø 32 mm)
Screws included: TX30 7,5 x 212 mm



- ↑↑ COLOUR: white and black
Made of polypropylene carbonate (PPC)

- ⚙ The screws included are galvanised.





DRAINBASE

ECCO PRODUCTS

Modular drainage tile system

Applicable with artificial grass in gardens, on rooftop terraces and playgrounds

ADVANTAGES

- + Optimal load distribution thanks to large contact surface
- + Manufactured from HDPE material - high flexibility, even in cold temperatures
- + Water buffering capacity of 30 litres/m²
- + 9 flexible zones to maintain contact with the surface
- + Anti-slip system to ensure that the artificial turf stays in place
- + Unique connection system allows the plates to shrink and expand within their own dimensions

APPLICATIONS

- + Artificial grass in the garden and landscaping
- + Highly suitable for roof terraces
- + Playgrounds



ACCESSORIES

FIXATION CAPS



The artificial grass can be fixed at any position with the provided mounting caps and accompanying screws.

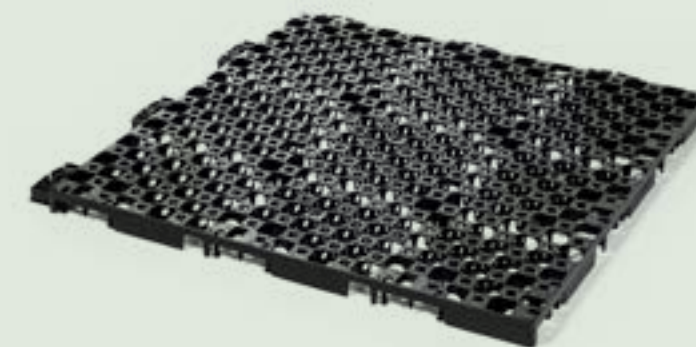
DRAINBASE BORDERS



ECCO Drainbase Borders are specifically designed to provide the finishing touch to your project. The border system prevents the grass edges from curling up and stops vermin from accessing the grid as the sides are neatly closed off.

SPECIFICATIONS

- MATERIAL: 100% recycled HDPE (high-density polyethylene) and 100% recyclable
- TILE DIMENSIONS: 60 x 60 cm = 0,36 m²/tile
- GRID HEIGHT: 30 mm
- TILE WEIGHT: 917 g / 2,55 kg per m²
- WATERBUFFERING CAPACITY: 30 liter/m²
- COLOUR: black





The ready-to-use jointing mortar



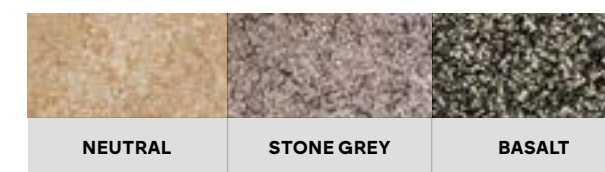
ADVANTAGES

- + Very water-permeable
- + Ideal for almost all natural stone and concrete pavings
- + Weed-repellent
- + Resistant to frost and de-icing salt
- + Can be applied in light rain
- + Suited for home improvers thanks to its easy application and self-compacting properties
- + Ready-to-use, pre-mixed and vacuum-packed

ADVANTAGES

- Very high water permeability
- Can be applied even in light rain
- Resistant to frost and de-icing salt
- Ideal for almost all natural stone and concrete pavings
- Weed-repellent
- Pre-mixed and vacuum-packed, immediately ready for use

COLOURS



SPECIFICATIONS

- MATERIAL: ready-to-use 1-component jointing mortar
- PACKAGING: 15 kg and 25 kg pcr bucket
- JOINT WIDTH: as of 5 mm
- JOINT DEPTH: as of 30 mm
- LOAD: up to 3,5 ton
- APPLICATION TEMPERATURE: > 5°C and < 30°C
- WORKING TIME AT 20°C: approx. 30 minutes after opening the vacuum bag
- WATER PERMEABILITY: $2,02 \times 10^{-3}$ m/s
- COMPRESSIVE STRENGTH: 10 N/mm² (lab value), 7,3 N/mm² (on-site value)
- FLEXURAL STRENGTH: 4 N/mm² (lab value), 3,6 N/mm² (on-site value)
- STATIC MODULUS OF ELASTICITY: 2000 N/mm²
- DENSITY OF CURED MORTAR: 1,8 kg/dm³

APPLICATIONS

Suitable for a traffic load of **up to 3.5 tonnes:**

- + Footpaths
- + Terraces
- + Driveways
- + Cycle paths
- + Garden and walking paths





Ready-to-use all-purpose jointing mortar



ADVANTAGES

- + Frost- and de-icing salt resistant, permeable to water and weed-resistant
- + Ready-made and vacuum-sealed: ready to use straight away, no mixing required
- + Suitable for medium-heavy traffic loads up to 7.5 tonnes
- + Suitable for narrow joints from 3 mm onwards
- + Robust all-round jointing solution for unbonded structures
- + Packaging made from recycled plastic (PCR – Post-Consumer Recycled)

ADVANTAGES

- Very high water permeability
- Ready-to-use
- Resistant to frost and de-icing salt
- All-round jointing solution
- Weed-repellent
- Pre-mixed and vacuum-packed, immediately ready for use

COLOURS



SPECIFICATIONS

- MATERIAL: 1-component jointing mortar
- PACKAGING: PCR bucket of 25 kg
- JOINT WIDTH: as of 3 mm
- JOINT DEPTH: as of 25 mm
- LOAD: up to 7,5 tonnes
- APPLICATION TEMPERATURE: > 5°C and < 30°C
- WORKING TIME AT 20°C: ca. 30 minutes after opening the vacuum bag
- WATER PERMEABILITY: $3,90 \times 10^{-3} \text{ m/s}$
- COMPRESSIVE STRENGTH: 17,5 N/mm² (lab value), 15,3 N/mm² (on-site value)
- FLEXURAL STRENGTH: 7,7 N/mm² (lab value), 6,8 N/mm² (on-site value)
- STATIC MODULUS OF ELASTICITY: 3480 N/mm²
- DENSITY OF CURED MORTAR: 1,63 kg/dm³

APPLICATIONS

- + Driveways
- + Terraces
- + Footpaths and cycle paths
- + Garden and walking paths
- + Courtyards and business premises





Ready-to-use jointing mortar for porcelain pavings and narrow joints



ADVANTAGES

- + Water-permeable
- + Prevents cracking thanks to lasting flexibility after curing
- + Ideal for narrow joints due to fine sand grains and slurry properties
- + Can be applied in light rain
- + Weed-repellent
- + Ready-to-use, pre-mixed and vacuum-packed
- + Resistant to frost and de-icing salt

ADVANTAGES

- Very high water permeability
- Weed-repellent
- Resistant to frost and de-icing salt
- Suitable for narrow joints
- Leaves no binder film
- Permanent flexibility after curing

COLOURS



APPLICATIONS

Suitable for almost all ceramic tiles, as well as coated and porous tiles.

Suitable for paving with light loads::

- + Traffic-free shopping streets
- + Footpaths and cycle paths
- + Garden and walking paths
- + Terraces



SPECIFICATIONS

- MATERIAL: ready-to-use 1-component jointing mortar
- PACKAGING: PCR bucket of 15 kg
- JOINT WIDTH: as of 3-5 mm
- JOINT DEPTH: as of 20 mm
- LOAD: pedestrian load
- APPLICATION TEMPERATURE: > 5°C and < 30°C
- WORKING TIME AT 20°C: approx. 30 minutes after opening the vacuum bag
- WATER PERMEABILITY: $3,90 \times 10^{-3}$ m/s
- COMPRESSIVE STRENGTH: 8,2 N/mm² (lab value), 5,8 N/mm² (on-site value)
- FLEXURAL STRENGTH: 4,2 N/mm² (lab value), 3,6 N/mm² (on-site value)
- STATIC MODULUS OF ELASTICITY: 20 N/mm²
- DENSITY OF CURED MORTAR: 1,45 kg/cm³



The flexibilised paving joint mortar for the unbound construction method



ADVANTAGES

- + Frost- and de-icing salt resistant, water-permeable and weed-inhibiting
- + Prevents cracking thanks to permanent flexibility after curing
- + Suitable for medium to heavy traffic loads
- + Simple and quick installation, without water in the mix
- + Quickly walkable (after 24 h) and drivable (after 3 days) at 20°C
- + Suitable for almost all natural stone and concrete paving with joints from 8 mm onwards

ADVANTAGES

- Highly water-permeable
- Weed-repellent
- Resistant to frost and de-icing salt
- Easy and fast installation with very low water consumption.
- Walkable shortly after installation
- Permanent flexibility after curing

COLOURS



SPECIFICATIONS

- MATERIAL: 2-component jointing mortar
- PACKAGING: sandbag of 20 kg + 3 kg resin
- JOINT WIDTH: as of 8 mm (5 mm possible with a higher labour intensity.)
- JOINT DEPTH: as of 30 mm
- LOAD: heavy traffic load up to 40 ton
- APPLICATION TEMPERATURE: > 0°C and < 30°C
- WORKING TIME AT 20°C: ca. 20 - 30 minutes
- WATER PERMEABILITY: $2,786 \times 10^{-3} \text{ m/s}$
- COMPRESSIVE STRENGTH:
- FLEXURAL STRENGTH: 4,2 N/mm²
- STATIC MODULUS OF ELASTICITY: 900 N/mm²
- DENSITY OF CURED MORTAR: 1,52 kg/dm³

APPLICATIONS

- + Streets and access roads for truck traffic
- + Public spaces and squares
- + Commercial and industrial areas
- + Driveways and terraces





The 1-component professional jointing sand for concrete and clinker paving



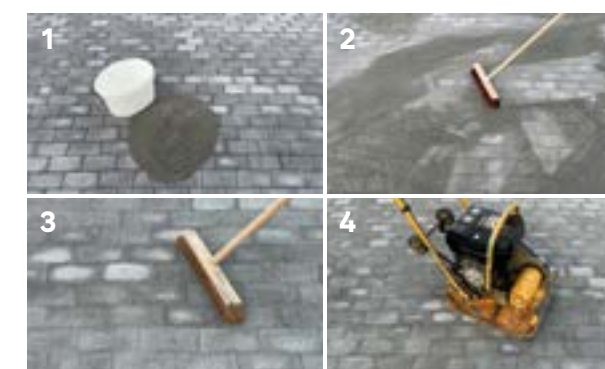
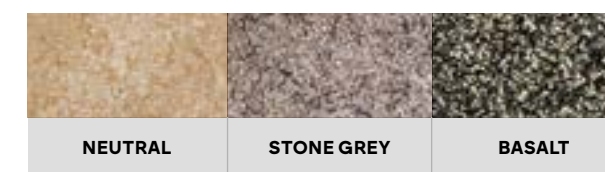
ADVANTAGES

- + Water-permeable
- + Suited for interlocking pavers with narrow joints
- + Weed-repellent
- + Resistant to frost and de-icing salt
- + Prevents cracking thanks to lasting flexibility after curing
- + Ready-to-use, pre-mixed and vacuum-packed
- + Leaves no binder film
- + Suited for new and renovated surfaces

ADVANTAGES

- Very high water permeability
- Weed-repellent
- Resistant to frost and de-icing salt
- Ideal for almost all natural stone and concrete pavings
- Leaves no binder film
- Suitable for very narrow joints

COLOURS

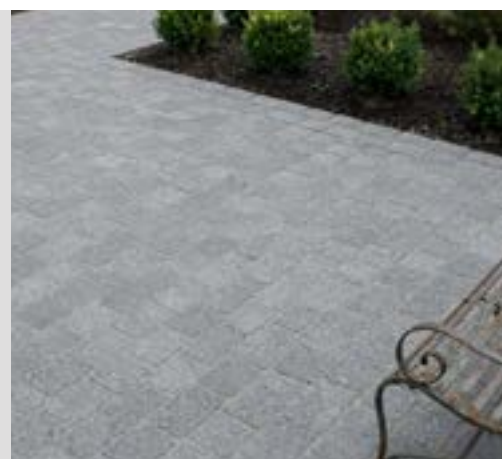
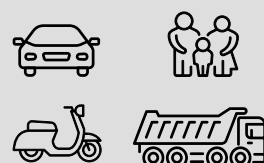


APPLICATIONS

Ideal for concrete and clinker paving.

Suitable for a traffic load of **up to 40 tonnes and small joints:**

- + Footpaths and cycle paths
- + Driveways
- + Terraces
- + Walkways
- + Paving



SPECIFICATIONS

- MATERIAL: 1-component jointing sand
- PACKAGING: PCR bucket of 25 kg
- JOINT WIDTH: 1-5 mm
- JOINT DEPTH: as of 30 mm or 2/3 of the stone height
- LOAD: up to 40 ton
- APPLICATION TEMPERATURE: $> 5^{\circ}\text{C}$ $< 30^{\circ}\text{C}$ $> 5^{\circ}\text{C}$ on dry surface
- WORKING TIME AT 20°C : unlimited
- WATER PERMEABILITY: 10^{-1} tot 10^{-2} m/s
- HARDNESS: ca. 60 A (according to, DIN 53505)
- FLEXURAL STRENGTH: ca. 5 N/mm²
- STATIC MODULUS OF ELASTICITY: ca. 2000 N/mm²
- DENSITY OF CURED MORTAR: ca. 1,6-1,7 kg/dm³



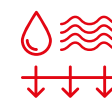
The versatile 2-component paving joint mortar



ADVANTAGES

- + Water-permeable
- + Ideal for narrow and very wide joints thanks to high flowability and self-compacting properties
- + Weed-repellent
- + Resistant to frost and de-icing salt
- + Can be used on natural stone and concrete pavings
- + Suited for new and renovated surfaces

ADVANTAGES



Water-permeable



Weed-repellent



Resistant to frost
and de-icing salt



Can be used on natural
stone and concrete
pavings



Suitable for
medium loads



Ideal for narrow and
very wide joints

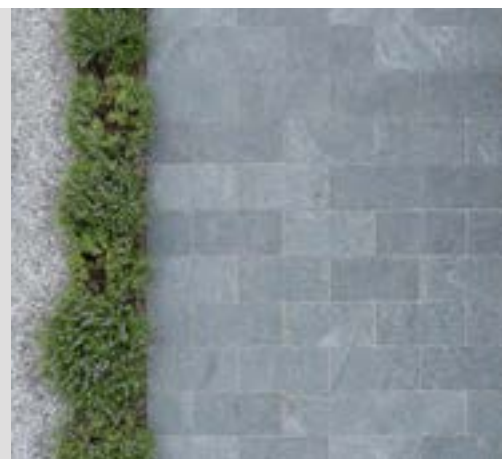
COLOURS



APPLICATIONS

Geschikt voor bestrating met **middelzware load tot 12 ton.**
Geschikt voor bijna alle **natuursteen- en betonverhardingen.**

- + Straten
- + Openbare pleinen
- + Wandelpaden



SPECIFICATIONS

MATERIAL: 2-component epoxy resin mortar

PACKAGING: PCR bucket of 25 kg

JOINT WIDTH: as of 3 mm

JOINT DEPTH: as of 25 mm

LOAD: up to 12 ton

APPLICATION TEMPERATURE: > 0°C and < 30°C

WORKING TIME AT 20°C: ca. 20-30 minutes

WATER PERMEABILITY: $7,5 \times 10^{-11}$ m/s

COMPRESSIVE STRENGTH: 27,4 N/mm² (lab value),
21,2 N/mm² (on-site value)

FLEXURAL STRENGTH: 13,1 N/mm² (lab value),
8,1 N/mm² (on-site value)

STATIC MODULUS OF ELASTICITY: 8000 N/mm²

DENSITY OF CURED MORTAR: 1,68 kg/dm³



The permeable resin-bound gravel surfacing suitable for heavy traffic

Made from authentic gravel bound with polyurethane resin

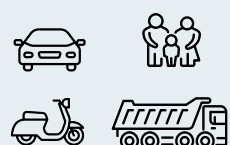
ADVANTAGES

- + 100% water-permeable
- + Suitable for pedestrian and vehicular traffic
- + Can be installed within 1 day
- + Moisture resistant: can be installed at humidity levels up to 95%
- + No cracks or fractures thanks to VubaMesh
- + Flexible: no expansion joints required
- + UV and frost resistant
- + 10-year warranty
- + Resistant to torsional loads and high flexural strength
- + Available in various colours
- + Minimal maintenance

APPLICATIONS

Suitable for paving with **light and heavy loads**:

- + Driveways
- + Terraces & garden paths
- + Pool surrounds
- + Parking areas
- + Publix spaces
- + Commercial environments



STRUCTURE

Vuba powered by ECCO consists of three different layers. Depending on the application (pedestrians, vehicles or heavy vehicles), the thickness of the layers may vary.

1 VUBATOP:

VubaTop is the moisture-resistant, resin-bound top layer, composed of a mix of fine gravel and a UV-resistant binder. The binder consists of two components: pre-catalysed polyurethane resin (component A) and a hardener (component B). This top layer can be installed at humidity levels up to 95% and is resistant to high loads and torsional stresses.

2 VUBAMESH:

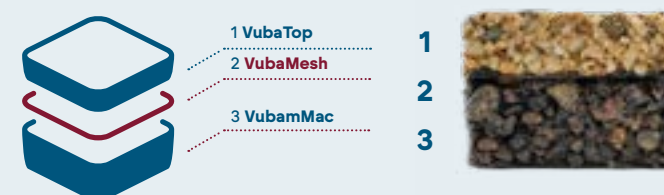
VubaMesh is a reinforcing mesh made from recycled plastic and high-quality polyester yarn that prevents cracking in the resin-bound system. The mesh has a tensile strength of more than 50 kN. Depending on the type of load (from pedestrians to heavy vehicles), the resin-bound system consists of 1 to 3 layers of VubaMesh.

3 VUBAMAC:

VubaMac is the base layer of the first permeable resin-bound surfacing system. This layer consists of recycled aggregate and a non-UV-resistant polyurethane resin. This creates a fully functional resin-bound base characterised by exceptional strength, with a flexural strength 57% higher than asphalt. VubaMac forms a strong monolithic bond with the resin-bound surface.

SPECIFICATIONS

- WATER PERMEABILITY: 37 liter/sec/m²
- FIRE RATING: Bfl-s1
- EROSION INDEX: 0,8 (resistant to torsional loads)
- HUMIDITY DURING VUBATOP INSTALLATION: up to 95%
- APPLICATION TEMPERATURE: 5°C - 30°C





GARDEN BORDERS

Edging provides a neat finish and prevents material shifting.

Choose the garden edging that suits your project and budget. From robust Corten steel to flexible recycled PVC, our garden edging combines functionality with aesthetics and is easy to install.

STEEL EDGING | PVC EDGING | CONCRETE FINISHING



CORE EDGE
powered by ECCO PRODUCTS

Flexible and easy-to-install border

Available in 5 colours and 3 heights

ADVANTAGES

- + Durable and (weather)resistant
- + Easy to install without specialist tools
- + Reinforced ground anchoring thanks to anchoring pins with a unique fold
- + The Dual Lock Mechanism® ensures a secure and strong connection between the borders
- + Resistant to ride-on mowers and lawn mowers
- + Can be used in both straight lines and curved shapes or corners

INSTALLATION

- + Double attachment ensures a safe and secure connection between two borders, making installation quick and easy. A pair of pincers suffices to connect two borders.
- + The overall length is 1075 mm, which results in a connected length of 1000 mm.
- + The anchoring pins contain a unique fold in the middle, reinforcing the ground anchor and making it suitable for use in heavier soil.

SPECIFICATIONS

- FINISH
 - + Anthracite (RAL 7016)
 - + Black (RAL 9005)
 - + Corten
 - + Galva
 - + Brown (RAL 8028)
- MATERIAL: flexible steel
- DIMENSIONS
 - Length: 1075 mm
 - Height: 65 mm, 100 mm or 150 mm
 - Package content: 5 borders

APPLICATIONS

- + Lawn and border edge
- + Paths
- + Terrace
- + Flower bed or vegetable garden





CORE DATUM EDGE

powered by ECCO PRODUCTS

Robust steel edging for heavy-duty edge finishing

For commercial landscaping projects in straight lines, corners and curved shapes

ADVANTAGES

- + Designed for commercial landscaping projects
- + Ideal for tough ground conditions and demanding environments
- + Easy to cut on-site
- + Secure fastening thanks to long anchoring pins
- + Aesthetic: no visible fixtures
- + DatumLock™ locking system allows for precise micro-adjustments of the edging height
- + Suitable for corners as well as straight and curved shapes
- + No preformed spikes, offering versatile usage
- + Partially recycled / 100% recyclable

INSTALLATION

- + The Core Datum Edge is equipped with the DatumLock™ locking system, allowing the edging height to be adjusted as desired, with no visible fastenings.
- + The long anchoring pins ensure a secure fixation in the ground.
- + Two edging sections can be securely connected together using the included joining plates and bolts.

SPECIFICATIONS

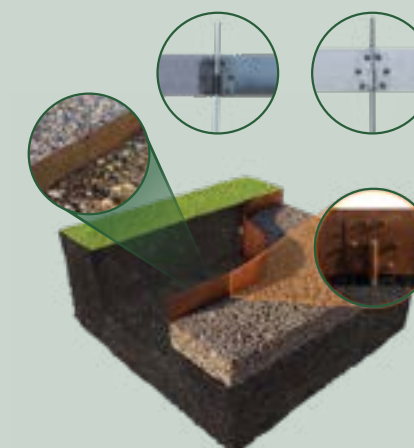
FINISH

- + Corten steel
- + Galvanised steel
- + Mild steel



DIMENSIONS

2200 x 3 x 150 mm (L x W x H)
 Weight: 10 kg
 Package content: 2 borders + 2 joining plates
 4 anchorings per border
 Life span: > 25 years



APPLICATIONS

- + Lawn
- + Paving
- + Driveway
- + Commercial landscaping projects





EASYFIX LI / CS

ECCO PRODUCTS

Quick and easy to install borders

In high-quality galva or corten steel for all your garden projects

ADVANTAGES

- + The Easyfix CS (custom shape) is extremely pliable and adaptable to all possible shapes
- + Quick and easy to install using a hammer
- + Random anchoring according to your design
- + Curved top edge for optimal safety in use without sharp edges
- + Easyfix LI (linear) can be used in straight lines as well as in slightly sloping shapes and right angles
- + Long anchoring pins provide improved stability
- + Limited visibility of fixing material after installation

APPLICATIONS

Suitable for all areas not driven on, such as paved surfaces, patios, flower beds, lawns, vegetable gardens, ...



INSTALLATION

1. EASYFIX BORDER



For straight lines (LI) as well as curved shapes (CS)

2. EASYFIX POCKET



The movable pockets can be placed randomly

3. EASYFIX ANCHOR



Solid anchoring through long anchoring pins

SPECIFICATIONS

TYPES

Easyfix LI (linear) / Easyfix CS (custom shape)

Easyfix LI is also available in black on demand

Package content: 6 borders + 18 anchors
(3 anchors per border)

DIMENSIONS

Length: 240 cm

Width: 0,8 mm (galva) and 1 mm (corten)

Height: 10 cm or 15 cm

Height anchor: 34 cm

Dimensions pocket: 12 x 9,6 cm (100) and 12 x 14,6 cm (150)



METALFLEX

ECCO PRODUCTS

Metalflex is a border in galvanised steel

Available in L-shape in 4 heights

ADVANTAGES

- + Easy to use
- + Quick and easy to install
- + Flexible: suitable for straight and curved lines
- + Available in 4 heights: 4,5 cm, 6 cm, 8 cm or 10 cm
- + Rounded top edge for optimal safety
- + Made from durable materials
- + Great in combination with ECCOgravel

INSTALLATION

- + Determine the trace
- + Bend in the right shape if needed
- + Fix the border in the ground with the anchor nail at approximately every 80 cm

RECOMMENDATIONS

- + For heavier loads (e.g. side of driveway), concrete is recommended.
- + Metalflex H45 and H60 are particularly suitable in combination with ECCOgravel. The height of the borders perfectly matches the height of the grids + the finishing layer. This way, the edge of the border is barely visible.

SPECIFICATIONS



DIMENSIONS

- Metalflex H45: 240 x 0,10 x 4,5 cm
- Metalflex H60: 240 x 0,10 x 6 cm
- Metalflex H80: 240 x 0,10 x 8 cm
- Metalflex H100: 240 x 0,10 x 10 cm



MATERIAL: galvanised steel

APPLICATIONS

Borders for all soft and paved surfaces:

- + Asphalt
- + Gravel surfaces
- + Clinker bricks
- + Bricks
- + Tiles





ECCOBORDER FLEX

ECCO PRODUCTS

Durable and budget-friendly borders

Made from recycled PVC

ADVANTAGES

- + Easy to install border on roll
- + Available in 2 colours
- + Manufactured from recycled PVC and 100% recyclable
- + Optimal handling thanks to tongue and groove function
- + To be fitted with rounded or flat finishing edge on top
- + Excellent price-quality ratio
- + Economical alternative to wooden or metal edgings

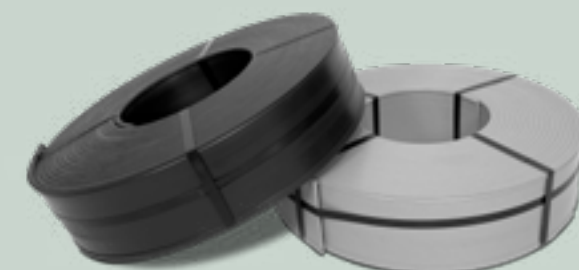
INSTALLATION

- + Fastening by means of Multi Profile anchoring



SPECIFICATIONS

- ✚ MATERIAL: recycled pvc
- ⬆⬆ COLOUR*: black or grey
(*) Colour and composition may vary due to the use of recycled material
- ✚ Height: 14 cm
LENGTH ROLL: 25 m
WIDTH: 4,5 mm, top and bottom edge: 8 mm



APPLICATIONS

Suitable for a wide range of applications:

- + Turf edging
- + Edging of gravel paths
- + Flower bed, vegetable garden, ...
- + Pond edging





ECCOBORDER FLEX PANEL

ECCO PRODUCTS

Durable and budget-friendly borders

Made from recycled PVC

ADVANTAGES

- + Easy to install 2m40 straight border
- + Ideal for sleek and straight edging and creating 90° angles
- + Available in 2 colours
- + Manufactured from recycled PVC and 100% recyclable
- + To be fitted with rounded or flat finishing edge on top
- + Excellent price-quality ratio
- + Fastening by means of Multi Profile anchoring
- + Economical alternative to wooden or metal edgings

INSTALLATION

- + Fastening by means of Multi Profile anchoring



SPECIFICATIONS

 MATERIAL: recycled pvc

 COLOUR*: black or grey

(*) Colour and composition may vary due to the use of recycled material

 Height: 14 cm

LENGTH PANEL: 2m 40

WIDTH: 4,5 mm, top and bottom edge: 8 mm



APPLICATIONS

Suitable for a wide range of applications:

- + Turf edging
- + Edging of gravel paths
- + Flower bed, vegetable garden, ...
- + Pond edging





ROULEAUFLEX

ECCO PRODUCTS

Flexible border on a roll that holds its shape

Solid 7 mm wall in 100% recycled PE-PP

ADVANTAGES

- + Flexible roll: forms curves, bends and undulations in one flowing line
- + Solid 7 mm wall for a firm, shape-retaining edge that keeps its line
- + Made from 100% recycled polyolefins (PE-PP) and 100% recyclable
- + Rot- and splinter-free, unaffected by moisture
- + UV- and weather-resistant: stays in service for years
- + Low-maintenance - no painting, sealing or treatment required
- + Workable with standard tools (sawing, drilling)
- + High stability thanks to anchoring with an H-profile every 50 cm
- + Standard in black; grey and brown on request
- + Sustainable alternative to borders in hardwood, concrete or steel

APPLICATIONS

- + Edging for lawns and planting beds
- + Gravel and garden paths
- + Flower beds, planting borders and vegetable gardens
- + Pond edges
- + Tree surrounds and public spaces



INSTALLATION

- + Set out the line and unroll the border. The flexible roll follows curves and bends on its own.
- + Place the border in a shallow trench, roughly 2/3 buried.
- + Anchor every 50 cm with an H-profile, approx. 3 cm below the top edge. Work along the full length in this way.

SPECIFICATIONS

- ✂ MATERIAL: 100% recycled PE-PP (polyolefins)
- ↑↓ COLOUR: black (standard); grey and brown on request
- ✂ HEIGHT: 14 cm
- THICKNESS: 0,7 cm (7 mm)
- LENGTH OF ROLL: 18 m
- ANCHORING: H-profiel, every 50 cm (available separately)





BETOTOP
ECCO PRODUCTS

High quality profiles in corten steel

Self-clamping Corten steel U-profile for neatly finished concrete kerbstones

ADVANTAGES

- + Suitable for new projects and updating existing curbs

+ Long lifespan

+ Low maintenance

+ Easy installation

+ Various combination possibilities
- + Elegant finish

+ Concrete curb is protected

+ Levels out any height differences between the concrete curbs

+ Self-locking

+ High quality product made from corten steel

APPLICATIONS

Suitable for all areas not driven on:

- + Garden path
- + Pond edge
- + Terraces
- + Flower beds and lawns

As well as suitable for areas used for driving:

- + Driveways
- + Parking spaces
- + Access roads



Length	Width	Height	Thickness	Shape
BETOTOP 50 CORTEN				
200 cm	5 cm	6 cm	0,1 cm	U-shape
BETOTOP 60 CORTEN				
200 cm	6 cm	5,5 cm	0,1 cm	U-shape
BETOTOP SPECIAL				
200 cm	6 cm	20 cm	0,1 cm	U-shape

BETOTOP Special is a variant that fits perfectly on concrete curbs of 6 cm top width and a visible side of 20 cm.



SPECIFICATIONS

- ↑↑↑

MATERIAL

Corten steel
- ⊠

Dimensions (b x h)

50 x 60 mm

60 x 55 mm

60 x 200 mm



MULTIPROFILE

ECCO PRODUCTS

Solid anchoring

Suitable for borders in all types of materials

ADVANTAGES

- + Optimal anchoring and stability through alternating soil displacement
- + No danger of milling out due to patented wall structure
- + Alternating profile structure results in better vertical guidance
- + The screw passes through 4 screw surfaces
- + Made from a recycled plastic mix that combines high impact strength and rigidity
- + Universal anchoring suitable for all types of borders
- + The cavities in the profiles provide a significant counterforce

APPLICATIONS

Can be combined with any type of border



INSTALLATION

- + To be secured with self-drilling countersunk screws, length 45 mm (not included)
- + Always screw in on the flat side in the upper 18 cm



SPECIFICATIONS

- MATERIAL: Recycled plastic mix
- COLOUR: black
- Available in 2 HEIGHTS: 38 cm and 58 cm
- SCREW SURFACE: 18 cm



GREEN ROOFS

Complete green roof system for optimal water retention

Green roofs do more than just look good: they buffer rainwater, provide natural insulation, offer habitat for insects, and cool your surroundings. ECCOsedum makes this accessible with ready-to-install sedum trays that transform a bare roof into blooming greenery within a single day.



ECCOSEDUM

Ready-made green roof trays

ECCOsedum trays can be placed on flat roofs and pitched roofs

ADVANTAGES

- + Easy to handle: installation of the green roof is very simple and can be done by 1 person.
- + Low weight per m²: +/- 80 kg/m² depending on whether it is saturated or not.
- + The system can therefore be applied to almost any existing roof.
- + Installation can take place all year round. Unlike a direct installation where you have to avoid the winter and summer periods.
- + Easily removable if needed, e.g. for water infiltration or roof works.
- + Consistent substrate thickness. As opposed to a solid green roof where the thickness can vary between 1 and 8 cm, causing weed growth
- + Smoothed out pressure points on the side of the tray allowing better pressure distribution, in contrast to other ready-made systems that do not have this feature.

ADVANTAGES

- + Lower sewer tax: buffers up to 35 litres of rainwater per m²
- + Up to 3 times longer lifespan for your roof
- + Qualify for subsidies and grants from municipalities and regions
- + Reduces roof temperature and increases the efficiency of solar panels
- + Reduces energy consumption: less cooling in summer, less heating in winter
- + Sound and heat insulating



INSTALLATION

1. VEGETATION LAYER

The ECCOsedum system contains at least 7 kinds of sedum and is fully rooted (avoiding weed growth).

2. SUBSTRATE LAYER

The substrate layer provides nutrients and water for the vegetation, but also provides oxygen and root anchoring.

3. WATER RETENTION LAYER

Water retention helps plants survive dry periods. The bottom half of the tray ensures that rainwater is retained.

4. DRAINAGE LAYER

The drainage layer allows excess rainwater to run off the roof membrane.



BIJVRIENDELIJK

SPECIFICATIONS

- ✂ BASISMATERIAL TRAYS: 100% recycled polypropylene (PP)
- ☀ UV-LIGHT: The trays are provided with a UV stabiliser
- 🍃 More biodiversity: sedum serves as a nectar source for bees and butterflies



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Grid of dots for notes on page 61.

