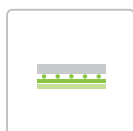




BALCONY AND PATIO PROFILES, PEDESTAL AND SLAB SUPPORTS AND DRAINAGE SYSTEMS

for tiles and natural stone in outdoor areas





“ As a professional, I cannot afford to let balconies and patios become damaged by accumulated water and moisture penetration. Therefore, I rely entirely on drainage systems from Proline. I've found that my customers are really pleased with the results. Even after many years. ”

Keep water at bay

Drainage systems from Proline

Ensure the satisfaction of your customers!

As many home owners know only too well, buildings require regular upkeep, and this is reflected in the building damage report issued by the German government. About one-third of outdoor floor covering in Germany is in need of repair. The reason for this is water ingress and deposits – with subsequent damage such as blistering, saponification, soiling, frost damage and spalling. If the right materials are chosen, secondary damage of this kind can be avoided easily and reliably provided a systematic approach is taken and water and dirt are kept at bay in all areas where they can ingress into coverings and structures. Once this has been achieved, your customers will gain lasting pleasure from attractive and durable outdoor floor covering – whether on the patio or balcony.

A good starting point

Reliable and durable protection for patios and balconies starts with the right drainage. PROCODRAIN drainage systems are your ideal partner for different coverings and installations. In addition, we offer you high quality balcony and patio profiles from the PROCOFORM or PROFORM series for attaching ballast, for edge protection and as an elegant cover. If you are looking for a solution to drain wind-driven rain or whatever else falls from the skies, PROCOLINE drainage channels are a good choice.

A sound foundation

To protect the substructure from any and all eventualities, Proline offers you pedestal and slab supports for all types of applications in the PROSTILT series. It lets you to level out slopes effortlessly, save on expensive binders thanks to its fixed application. It also prevents cracks, leaks, frost damage and sags in the floor covering. All this while giving you maximum flexibility at the same time!

Special solutions from the specialist

With a host of different types of PROCODRAIN drainage systems, PROCOLINE drainage channels and PROCOFORM or PROFORM balcony and patio profiles, we offer the right solution for any requirement. Whether you need to drain seepage water, provide protection against accumulated water or reliably channel away water from balconies, flat roofs and patios. You have the choice and we have the solution!

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Keep water at bay

Proline makes sure that balconies and patios stay healthy

Rain, frost, dirt and heat – the weather can take its toll on structures and floor covering on balconies and patios. No floor covering is absolutely waterproof. Without the right drainage, even hairline cracks can cause the structure and coatings to get sodden.



Completely watertight is impossible

Even if some people still claim the opposite, no floor covering on patios or balconies is 100% waterproof. That is because there is always a small joint, slit or crack through which water can penetrate. In addition, depending on the temperature and humidity, there may be condensation within the structure – usually on the bottom side of the top covering layer. Drainage systems from Proline, which we designed specially for outdoor applications, make sure that any humidity is reliably drained off.

Protection inside and out

Floor covering in outside areas must perform two functions: it should allow water that collects on the surface to drain away quickly and as completely as possible. Moreover, moisture that has made its way into the structure should also be drained away, otherwise problems such as blistering, cracking or soiling will

result. PROCODRAIN drainage systems help you to reduce damage such as this reliably. Matched to the substrate, they ensure for years to come that balconies and patios never become waterlogged.

Sill-less and sleek

Revised building regulations, in particular in the public sector, as well as new customer demands, often require transitions that have to be created practically free of sills. This represents a particular challenge in the planning, preparation and execution of building projects. Challenges such as these are mastered in an instant by using PROCOLINE drainage channels, which are adjustable in height and angle and can be used flexibly. And, with high quality products from the PROCOLINE series, you can also add a really nice touch to living areas.

Stand up to the weather

It is important that water cannot ingress into the structure from the front, particularly at the edges. You can safeguard this with Proline balcony and patio profiles. And stylishly as well because the high quality profiles match the colour of modern exterior coverings particularly well. The smooth surface stops dirt from building up and prevents water marks from forming. In conjunction with PROCODRAIN S drainage mats, ballast is also kept in check.

No room for dirt deposits!

Loose-laid floor coverings with open joints – for example gravel fills – become a serious problem over the years when dirt begins to accumulate in the structure. The dirt deposits stop humidity from draining quickly and thoroughly and damage the entire structure. Dirt deposits can also cause unpleasant odour and provide an ideal breeding ground for pests. By using the right drainage mats, all of these problems are easy to manage. The mats prevent or minimise the entrainment of dirt, they look good and help increase the durability and function of the floor covering to an enormous extent.

Put an end to blisters

Unfortunately, when paving slabs and natural stone are laid in outside areas it is not always possible to prevent cavities from forming. Preventing moisture from accumulating in these cavities is therefore extremely important. This is because accumulated water damages the structure. Water transports lime in cement-based materials to the surface through diffusion and capillary forces. When this reacts with carbon in the air, carbonic blistering is the result. To counter this, we offer you an effective solution with the highly efficient anti-capillary PROCODRAIN drainage mats for a variety of structures.

Tip

Over time, a water impervious CaCO_3 layer may form on the drainage course under cement screed. With the specially developed fleece on PROCODRAIN E drainage mats, you can counteract this effectively.



Great performance in a small space

Drainage systems from PROCODRAIN make it quick and easy to produce barrier-free constructions and perfect door closing heights. This is partly thanks to the low height of the high quality drainage systems. Compared with conventional gravel and grit, PROCODRAIN drainage mats offer greater performance in tighter spaces. In addition, they minimise dirt deposits in gravel effectively and PROCOLINE drains dangerous spillover surface water through to a lower water course.

One system for all types of floor covering

Be it tiles or slabs, natural or artificial stone, screed mortar, loose floor covering with or without ballast, drainable coarse-grain screed – the drainage systems from Proline will help you master all types of structure and floor covering. Benefit from the high quality materials, advanced engineering and perfect adaptation to your requirements.

Take a systematic approach

The all-round solution from Proline

When it comes to channelling water away from balconies and patios Proline offers you extraordinary system performance. From drainage mats and balcony and patio profiles to de-watering channels – look no further everything is available from one source. This guarantees safety and durability – and many satisfied customers.



Even stronger as a system

Outstanding knowledge of development and production and close cooperation with customers make Proline products what they are: high quality materials for professionals that make child's play of any situation on a building site. The system ethos is just as important to us as the quality of each single product. The fact that system components match each other perfectly means that drainage mats, pedestal and slab supports as well as profiles and drainage channels are far more sophisticated when used in combination.

State of the art engineering

Changing with the times. For us, this means integrating state-of-the-art engineering and creating products that surpass themselves with every new development stage. In recent years, this has turned Proline into a reliable partner for tradesmen and production engineers alike. Our customers know that the products they receive from Proline do what they say on the packet – in every way.

By offering advanced product system performance for the drainage of balconies and patios, we provide you with genuine hand-in-hand quality:

Drainage mats

PROCODRAIN drainage mats always offer maximum performance and durability since they are matched to different substrates. Read more about this from page 8.



Balcony and patio profiles

PROCOFORM balcony and patio profiles keep practically any floor covering in check and also the garden where it belongs. More on these first-class profiles starting on page 16.



Pedestal and slab supports

The PROSTILT system combines the best covering protection with extraordinary flexibility. This means you do not need to worry about cracks, frost damage or the like. More on page 18.



De-watering

PROCOLINE drainage channels channel away all kinds of rain with ease. They are flexible and adaptable and it takes no time to clean them. More on this starting on page 22.



Real quality that makes its mark

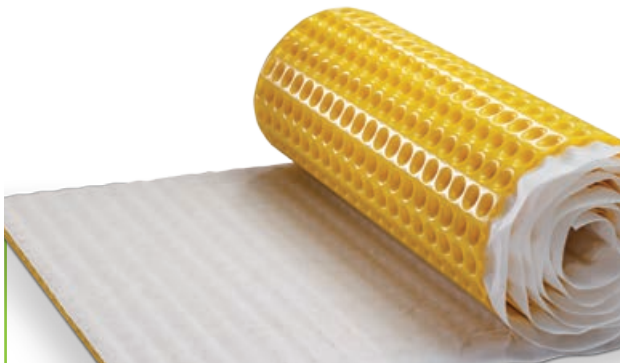
All over the world German engineers and designers are famous for producing first-class quality, top workmanship, well-conceived products and smart systems. We also believe in this quality and

therefore develop and manufacture most of our products in Germany. This offers you long-lasting safety and high quality products – genuine “German Quality” by Proline.

Three routes to correct drainage

PROCODRAIN E, S and GK

With PROCODRAIN, we offer you the perfect system for balconies and patios. Depending on the structure and floor covering, the versions that are suitable are E, GK or S with their overlapping edges on one side. PROCODRAIN guarantees effective de-watering, reliable protection against contamination and provides perfect finishes. In this way, outdoor floor covering gleam in all their glory even after harsh winters.

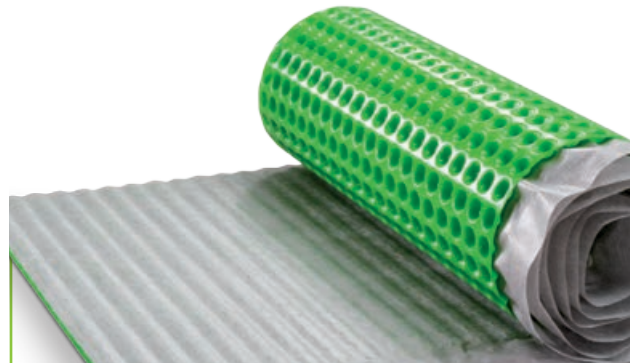


PROCODRAIN E

Drainage mat for exposed tile and paved floor covering on screed mortar

Areas of application

- For reliably de-watering balcony and patio floors with ceramic tiles or paving slabs on cement screed
- For producing a second drainage layer under walk-on floor covering
- Also suitable for garage driveways and courtyards with passenger vehicle traffic
- As requisite drainage for floor coverings with additional facade grates or linear de-watering
- For simple and reliable applications on exposed surfaces

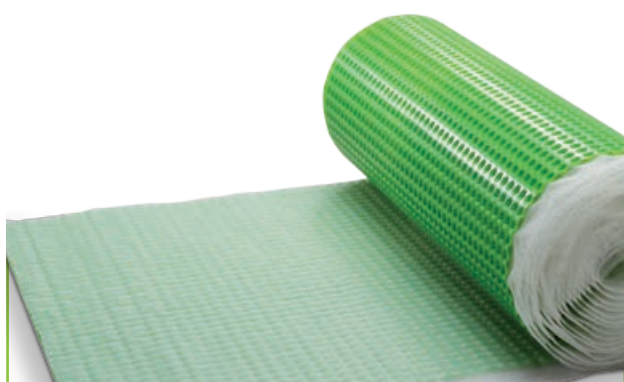


PROCODRAIN S

Raised edge drainage mat for loose laid, exposed floor covering with and without ballast

Areas of application

- For reliably de-watering balcony and patio floor coverings made of concrete slabs as well as natural and artificial stone laid loosely on ballast
- For draining floor coverings made of loosely laid mixed paving slabs and clinker bricks
- For draining narrow jointed duck-boards made of wooden material
- For draining dab-bonded, large format and unbreakable ceramic slabs directly on top of the drainage mat
- For draining ballast on flat roofs in order to improve de-watering and protect the seal



PROCODRAIN GK

Raised edge drainage mat for exposed tile and paving slabs on drainable coarse grain mortar and screed

Areas of application

- For reliably de-watering balcony and patio floor coverings made from natural or artificial stone or ceramic tiles above drainable mortar layers
- For producing a second drainage layer under walk-on floor covering
- Also suitable for garage driveways and courtyards with passenger vehicle traffic
- For producing a second drainage layer under walk-on floor covering
- As requisite drainage for floor coverings with additional facade grates or linear de-watering
- For simple and reliable applications on exposed surfaces



PROCODRAIN E SV, PROCODRAIN S SV and PROBAND L

Binding quality

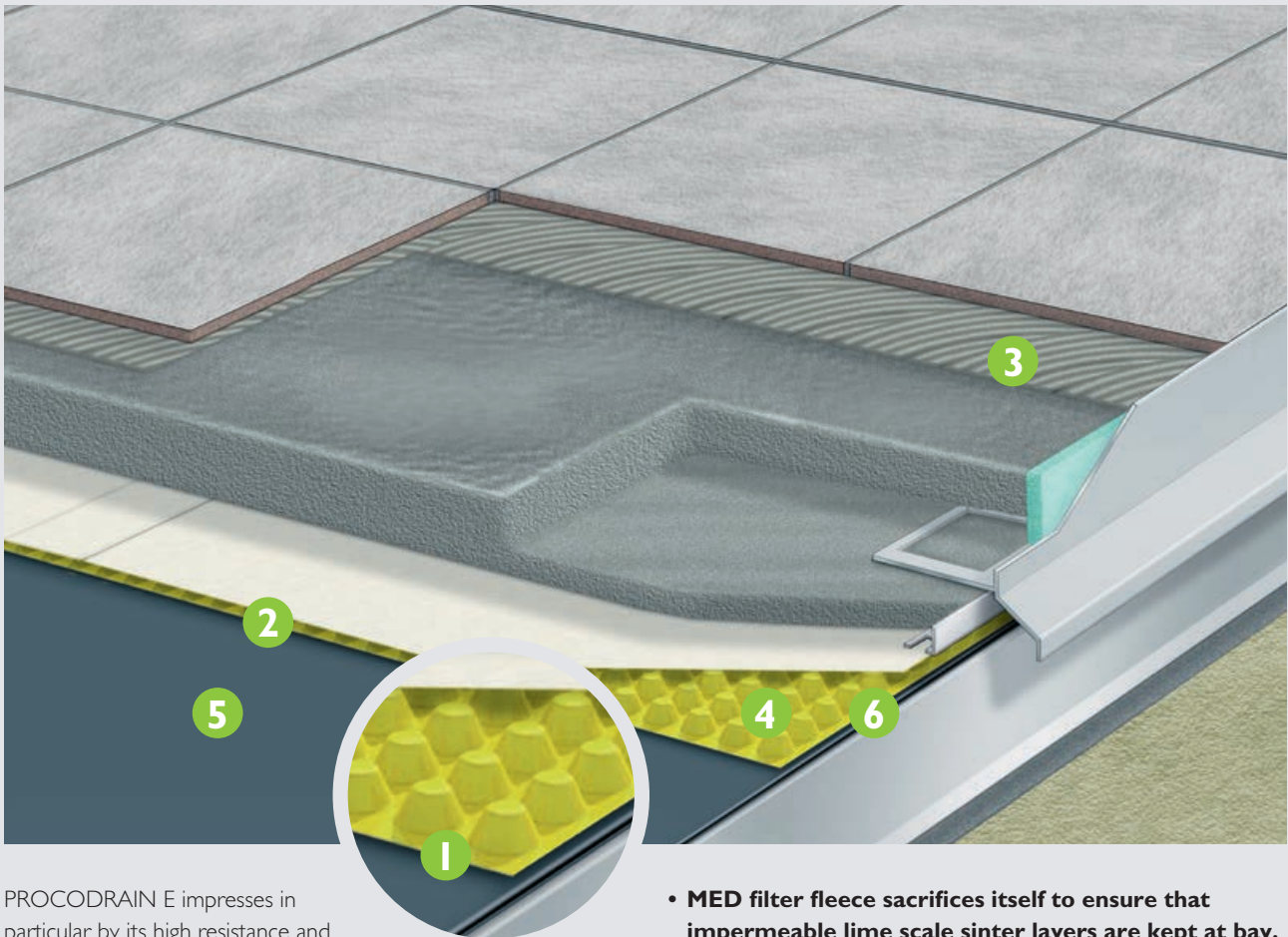
Naturally, for all three drainage systems, we provide you with the matching butt-joining tape.

- With self-adhesive fixing on both long sides
- For producing durable and secure butt joints
- Practical width of 15 cm ensures perfect protection against rolling beneath layers.
- One roll comprises 20 m (PROCODRAIN E SV and S SV) or 25 m (PROBAND L) of butt-joining tape. The three variants consist of the same fleece and scrim material as the drainage strips. This ensures uniform safety and function for connecting butt joints.

PROCODRAIN E

For exposed tile and paved floor covering on screed mortar.

With PROCODRAIN E we offer you a robust stud membrane for all floor covering laid on screed. High-density polyethylene (HDPE) makes the membrane especially resistant. The special MED fleece filter dissolves over time and chemical compounds slowly form a water impermeable CaCO_3 layer on the fabric.



PROCODRAIN E impresses in particular by its high resistance and durability. This high quality HDPE stud membrane easily copes with temperature fluctuations and frost. The high resistance of this drainage mat makes PROCODRAIN E your perfect partner when it comes to draining lanes and driveways.

- **MED filter fleece sacrifices itself to ensure that impermeable lime scale sinter layers are kept at bay.**
- **Any water seeping in is immediately channelled away.**
- **No prescribed laying direction: the stud arrangement always allows unimpeded drainage either crosswise or lengthwise.**
- **Resistant to chemicals, bacteria, fungi, root growth, rotting and harmless to drinking water.**

Properties



Resistance
at 8 mm



Resistance
at 20 mm



Impact sound
reduction



Load
distribution/
seal protection



Anti-Frost-
Cracking

- 1 PROCODRAIN E allows unimpeded drainage both crosswise and lengthwise.
- 2 PROCODRAIN E has an anti-capillary effect and improves re-drying of the floor structure.
- 3 PROCODRAIN E reduces vapour diffusion and in turn stops moisture from permeating on the back of the tiles.
- 4 The MED system helps PROCODRAIN E to sustainably prevent a water impenetrable lime layer from forming on the fleece. The MED fleece "sacrifices" itself overtime beneath the hardened screed.
- 5 PROCODRAIN E even protects the underlying sealing membrane from mechanical damage.
- 6 Available in two heights (8 and 20 mm) for normal and heavy water accumulation.

Technical data

PROCODRAIN E

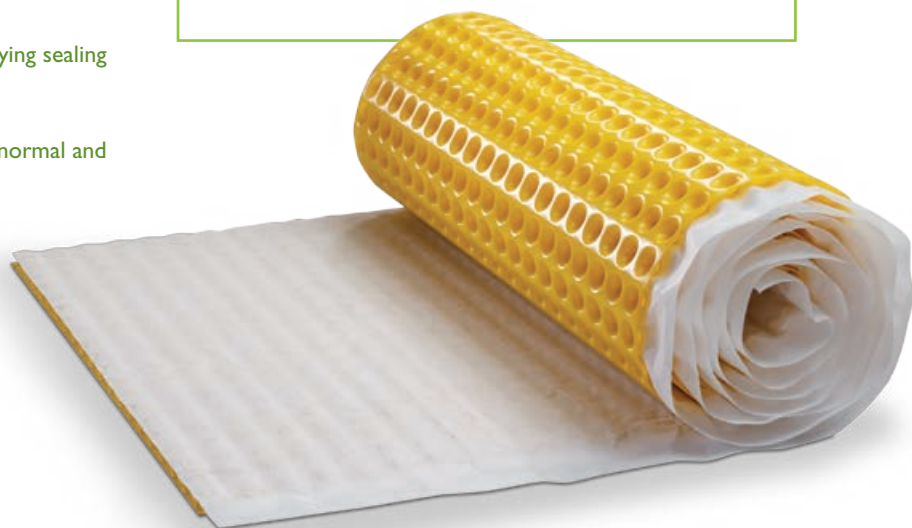
8 mm

- HDPE stud membrane, 8 mm high with thermally reinforced fleece backing
- Membrane width approx. 100 cm
- Fleece width approx. 105 cm
- Fleece overhang approx. 5 cm, along one side
- Weight approx. 0.6 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. 3.1 ltr/m x s

PROCODRAIN E

20 mm

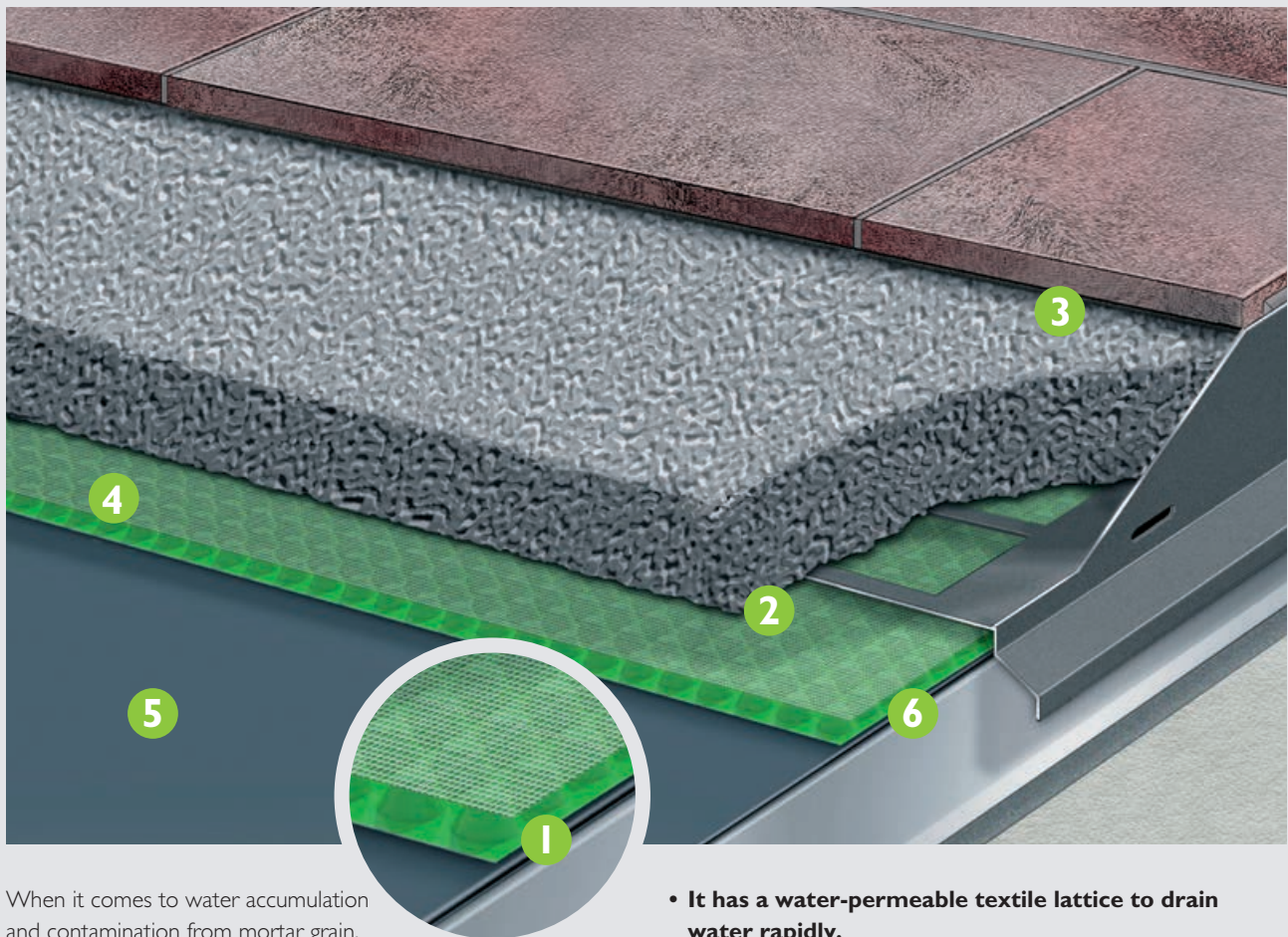
- HDPE stud membrane, 20 mm high with thermally reinforced fleece backing
- Membrane width approx. 97.5 cm
- Fleece width approx. 105 cm
- Fleece overhang approx. 7.5 cm, along one side
- Weight approx. 1.1 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. 9.4 ltr/m x s



PROCODRAIN GK

For exposed tile and paving slabs on drainable coarse grain mortar and screed.

PROCODRAIN GK is a raised-edge drainage mat specially designed for laying in coarse-grain screed or mortar. The stud membrane is covered with a special textile lattice to ensure rapid and effective water drainage. The load-distributing floor structure has raised edges to ensure long life and also to prevent grains over 2 mm in size from falling through.



When it comes to water accumulation and contamination from mortar grain, coarse-grain screed and mortar make extremely heavy demands on drainage mats. We designed PROCODRAIN GK especially for this type of application. PROCODRAIN GK is excellent for draining very large amounts of water.

- It has a water-permeable textile lattice to drain water rapidly.
- A mesh width of 1.5 x 1.5 mm prevents mortar grain of >2 mm from falling through to the drainage cavity.
- Eliminates the disadvantages of drainable coarse-grain mortar.
- Resistant to chemicals, bacteria, fungi, root growth, rotting and harmless to drinking water.

Properties



Resistance
at 8 mm



Resistance
at 20 mm



Impact sound
reduction



Load
distribution/
seal protection



Anti-Frost-
Cracking

- 1 PROCODRAIN GK drains permeating water quickly and reliably, both crosswise and lengthwise.
- 2 PROCODRAIN GK creates space between the seal and the underside of the mortar and has an anti-capillary effect. This prevents frost damage in the structure.
- 3 PROCODRAIN GK improves re-drying of the floor covering structure.
- 4 The highly permeable textile lattice of PROCODRAIN GK drains moisture rapidly and also prevents stones from falling into the drainage cavity. In this way, PROCODRAIN GK eliminates the disadvantages of drainable coarse-grain mortar.
- 5 PROCODRAIN GK eliminates the disadvantages of drainable coarse-grain mortar.
- 6 Available in two heights (8 and 20 mm) for normal and heavy water accumulation.

Technical data

PROCODRAIN GK

8 mm

- HDPE stud membrane, 8 mm high, clad with glass mesh fabric
- Membrane width approx. 100 cm
- Fleece width approx. 110 cm
- Fleece overhang approx. 10 cm, along one side
- Weight approx. 0.6 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. 3.1 ltr/m x s

PROCODRAIN GK

20 mm

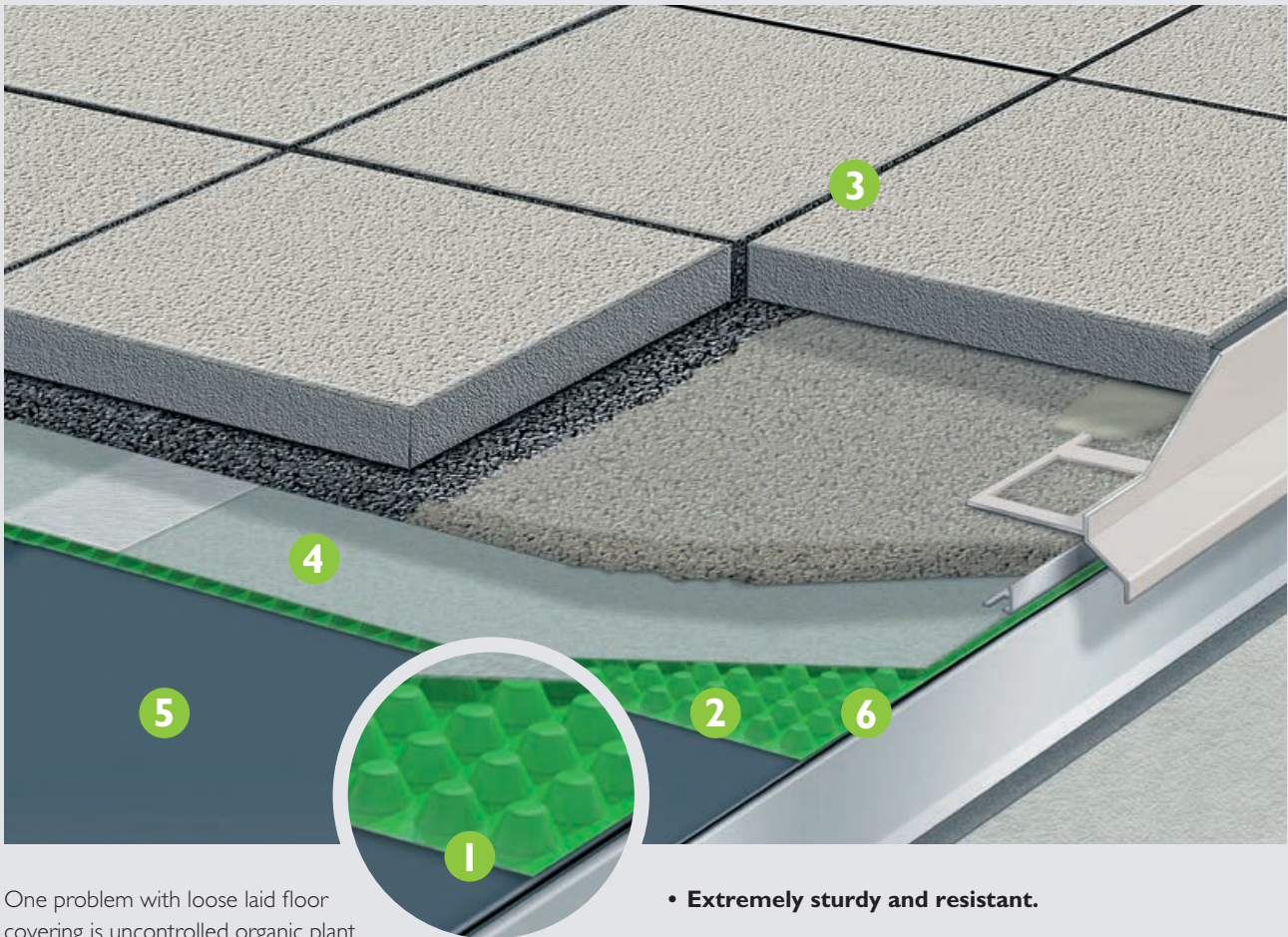
- HDPE stud membrane, 20 mm high, clad with glass mesh fabric
- Membrane width approx. 97.5 cm
- Fleece width approx. 110 cm
- Fleece overhang approx. 12.5 cm, along one side
- Weight approx. 1.1 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. ca. 9.4 ltr/m x s



PROCODRAIN S

For exposed, loose-laid floor covering with or without ballast.

PROCODRAIN S is a raised-edge HDPE stud membrane with nonwoven PP fabric on the upper side. Due to the strength of the fleece, **PROCODRAIN S** is particularly well suited to loose laid floor covering made of natural and artificial stone tiles, ceramic elements or narrow-joint wooden structures on loose filled gravel or grit.



One problem with loose laid floor covering is uncontrolled organic plant and weed growth. This is reduced effectively by PROCODRAIN S drainage membranes with lasting effect. PROCODRAIN S also acts as protection for the sealing membranes underneath and reduces mechanical loads.

- **Extremely sturdy and resistant.**
- **For use under loose ballast.**
- **Ideal for loose laid floor covering made of artificial or natural stone, clinker elements and ceramic tiles.**
- **Reduces uncontrolled plant and weed growth.**
- **Resistant to chemicals, bacteria, fungi, root growth, rotting and harmless to drinking water.**

Properties



**Resistance
at 8 mm**



**Resistance
at 20 mm**



**Impact sound
reduction**



**Grass and
moss barrier**



**Load
distribution/
seal protection**

- 1 PROCODRAIN S permits unimpeded lengthwise and crosswise de-watering under loose laid floor coverings with gravel and grit.
- 2 PROCODRAIN S has an anti-capillary effect and prevents damage from moisture and damage to coverings caused by humidity on the underside.
- 3 Uncontrolled weed and plant growth is reduced effectively and sustainably.
- 4 PROCODRAIN S reveals its true strength with an extra long-life layer of nonwoven PP fabric.
- 5 PROCODRAIN S protects the underneath sealing membranes from mechanical loads.
- 6 Available in two heights (8 and 20 mm) for normal and heavy water accumulation.

Technical data

PROCODRAIN S

8 mm

- HDPE stud membrane, 8 mm high with thermally reinforced PP fleece backing
- Membrane width approx. 100 cm
- Fleece width approx. 110 cm
- Fleece overhang approx. 10 cm, along one side
- Weight approx. 0.6 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. 3.1 ltr/m x s

PROCODRAIN S

20 mm

- HDPE stud membrane, 20 mm high with thermally reinforced PP fleece backing
- Membrane width approx. 97.5 cm
- Fleece width approx. 110 cm
- Fleece overhang approx. 12.5 cm, along one side
- Weight approx. 1.1 kg/m²
- Seal protection in accordance with DIN 18195
- Water drainage capacity approx. 9.4 ltr/m x s



PROCOFORM and PROFORM

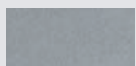
The weather doesn't stand a chance

Weather severely affects the corners and edges on balconies and patios. The PROCOFORM and PROFORM balcony and patio profiles offer effective protection from the effects of weather. They are made of aluminium and stainless steel, available in various colours and co-ordinated perfectly with the PROCODRAIN drainage system.

Showing the best side of protection:

PROCOFORM and PROFORM balcony and patio profiles are available in a wide variety of colours. Your selection:

Materials

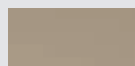


Stainless steel

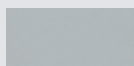


Plain aluminium

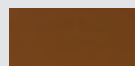
Paints and coatings in RAL colours



Light beige
RAL 1019



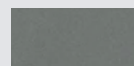
Light grey
RAL 7035



Autumn
RAL 8003



White aluminium
RAL 9006



Light anthracite
DB 702

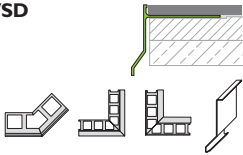
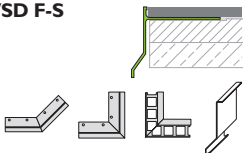
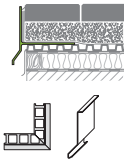
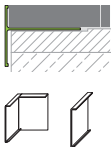
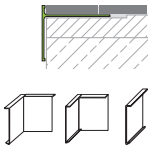
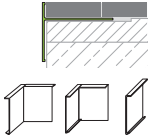
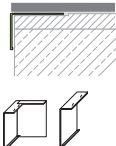
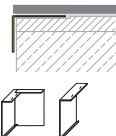


Dark anthracite
DB 703

PROCOFORM

Product	Upstand using strip support (mm)	Application area with PROCODRAIN	Properties	Total visible height (mm)	Material	Accessories
PROCOFORM K 	70	individually applicable angle profile in cement, coarse grain and reactive resin screed as well as gravel fills that are overlaid with tile, slab, plain and concrete stones	Weatherboard with punched leg, deflection of water thanks to the strip punching	100	coated in aluminium or plain aluminium colour	Internal and external corners 90° and 135°, connectors
PROCOFORM WSE 	38	individually applicable angle profile in cement, coarse grain and reactive resin screed with tile, slab or plain stone coverings	Weatherboard with punched leg, deflection of water thanks to the strip punching	70	coated in aluminium or plain aluminium colour	Internal and external corners 90° and 135°, connectors
PROCOFORM WSE F-S 	38	individually applicable angle profile under reactive resin screed, particularly suited for direct connection of composite seals	Weatherboard with closed leg and boreholes, deflection of water thanks to the drainage slots to retain the coating seals	70	coated in aluminium or plain aluminium colour	Internal and external corners 90° and 135°, connectors

PROFORM

Product		Upstand using strip support (mm)	Application area with PROCODRAIN	Properties	Total visible height (mm)	Material	Accessories
PROFORM WSD		11	individually applicable angle profile for laying thin beds	Weatherboard with punched leg, vertical skirt with drainage slots	75	coated in aluminium or plain aluminium colour	Internal and external corners 90° and 135°, connectors
PROFORM WSD F-S		11	individually applicable angle profile for laying thin beds, particularly suitable for the direct connection of bonding seals	Weatherboard with closed leg and boreholes, vertical skirt with drainage slots and for retaining bonding seals	75	coated in aluminium or plain aluminium colour	Internal and external corners 90° and 135°, connectors
PROFORM K		70	individually applicable angle profile in cement, coarse grain and reactive resin screed as well as gravel fills that are overlaid with tile, slab, plain and concrete stones	Weatherboard with punched leg, deflection of water thanks to drainage slots	100	coated in aluminium or plain aluminium colour	External corner of 90° and connector
PROFORM TE		15 and 24	individually applicable angle profile for laying thin beds, in two heights	T-profile with punched leg	55 and 75	coated in aluminium or plain aluminium colour	External corner and connector
PROFORM TD		11	individually applicable angle profile for laying thin beds	T-profile with punched leg, vertical skirt with drainage slots	75	coated in aluminium or plain aluminium colour	External corner, internal corner and connector
PROFORM TOS		21	individually applicable angle profile for laying thin beds for outdoor ceramics	T-profile with punched leg and boreholes, vertical skirt with drainage slots	75	coated in aluminium or plain aluminium colour	External corner, internal corner and connector
PROFORM W		No raised edges	individually applicable angle profile	T-profile with punched leg	40, 55, 75, 95, 120 and 150	coated in aluminium or plain aluminium colour	External corner and connector
PROFORM W		No raised edges	individually applicable angle profile	T-profile with punched leg	55, 75 and 95	Stainless steel	External corner and connector

PROSTILT

Pedestal and slab supports for perfect patio structures

The pedestal and slab supports of the **PROSTILT** series allow for simple, quick and secure laying of ceramic, concrete and natural stone slabs. The materials are laid on the pedestal and slab supports in this process. Surface water can drain through the open joints in the substrate.



A sound foundation

Pedestal and slab supports from Proline are suited for laying outdoor slabs. The PROSTILT pedestal support system consists of a high-quality talc-reinforced polypropylene (100% recyclable) and is resistant to weather, frost and impacts. PROSTILT features infinitely variable level compensation with a simple thread mechanism.

Efficient and flexible

The low weight of the PROSTILT system makes it the ideal foundation for rooftop patios with high installation height and limitations regarding the overall structure weight. There is no need for an expensive and time-consuming installation (e.g. screed floor), saving you time, money and weight during the laying process.

Design without limitation

The PROSTILT pedestal support system offers the perfect solution for creating an aesthetically pleasing ceramic, concrete or natural stone balcony or terrace covering that is easy and quick to install. Thanks to the high load bearing capacity even large-format tiles and slabs can be laid. The PROSTILT support system is continuously adjustable in terms of height and incline without the use of additional tools. Gradient undergrounds can be balanced out regardless of the gradient of the surface covering, and flat laying of the covering is therefore possible. PROSTILT thus leaves nothing to be desired in terms of design and function.

In all weathers

With the PROSTILT support system the covering is laid in a capillary-breaking way and frost damage is avoided. With the open joints, surface water is quickly drained off into the ground and the coverings can dry more quickly. Beyond that the clips and the stainless steel facing profile available with the system enable to create design-orientated facing solutions.

- Simple and fast installation due to dry laying: There is no need to use chemical construction binding agents.
- Suitable for any situation: Due to the low weight of the adjustable feet, superstructures and roof terraces with weight limits can be constructed. Installation on existing coverings is also possible. Height differences and gradients can be balanced without any problem.
- Perfect design: Cables, pipes, drains, etc. can be laid underneath the covering and remain accessible after installation. An even joint width of 3 mm and its compatibility with facing solutions for outdoor slabs of 18–21 mm thickness create a first-class overall look.
- Unrivalled in function: Good drying of the covering due to ventilation underneath, quick water removal thanks to the open joints and low risk of frost damage as a result of the slab pedestal supports.
- Sustainable construction: Laid slabs can be taken up or changed at any time, dismantling can be carried out simply and the entire system is recyclable.

Technical data

PROSTILT pedestal support

Laying system for ceramic and stone terraces

- Adjustment range (mm):
27–40 / 40–70 / 70–120 / 120–170
- Material: talcum-reinforced polypropylene
- Colour: black
- Head dimensions: 130 mm diameter, 132 cm² surface
- Floor part dimensions: 200 mm diameter, 314 cm² surface
- Characteristics: resistant to acid, alkali solutions and salt, weather-resistant, UV-stable, high resistance to shock, impact, and fracture, temperature-resistant from –35°C to +60° C, maximum load capacity / adjustable foot: 1.2 t



PROSTILT

Pedestal and slab supports for perfect patio structures

PROSTILT pedestal supports

- For ceramic, concrete and natural stone slabs
- Temperature-independent and dry installation, no cement required
- Made from 100% recyclable polypropylene (PP)
- Frost-proof, quick and easy installation
- Weather-resistant, UV-stable, resistant to shock and impact



Adjustable foot basic

- Height adjustment: 27–40 mm



Adjustable foot basic+

- Height adjustment: 40–70 mm, 70–120 mm, 120–170 mm



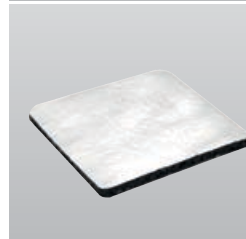
Inclined support disc

- Gradient compensation: 0–7 %



Step impact protection pad

- Thickness: 3.0 mm, diameter: 130 mm



Rubber granulate pad

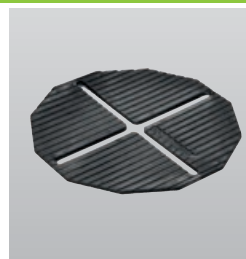
- With aluminium lining, height: 5 mm, size: 200 x 200 mm

PROSTILT slab supports



Slab supports

- Height: 10 mm and 20 mm



Compensating disc for plate discs

- Diameter: 120 mm, height: 1 mm, can be divided into individual segments

PROSTILT add-on products



Clip upper

- V2A stainless steel, for top securing of a vertical facing slab, 142 x 90 mm



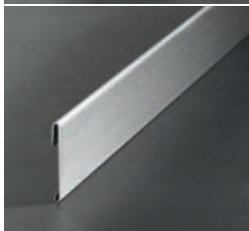
Clip bottom

- V2A stainless steel, for bottom securing of a vertical facing slab, 186 x 90 mm



Clip spacer

- V2A stainless steel with neoprene pad, to secure the covering for wall connection, 142 x 90 mm



Facing profile

- V2A brushed stainless steel, to cover the butt joint for vertical facing, height 50 mm, length 2.50 m



External corner

- V2A brushed stainless steel, 90 degrees, to cover the butt joint and vertical facing, height 50 mm, 150 x 150 mm



Connector

- V2A stainless steel, for joining profiles, 35 x 60 mm



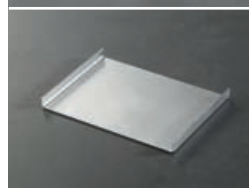
Channel set

- Drainage line housing including covering, V2A stainless steel, without head part for laying in line, including 4 self-cutting screws and 1 connector, 1000 mm x 85 mm x 21 mm



Channel set with header

- Drainage line housing including covering, V2A stainless steel, with head part for laying as the first/last drain, including 4 self-cutting screws and 1 connector, 1000 mm x 85 mm x 21 mm



Connector for channel set

- For connecting drainage sets, V2A stainless steel

PROCOLINE drainage channels

Tough against any form of wind and rain

Transitions between outdoor coverings and interior rooms are a sensitive area when it comes to drainage. If rain beats heavily against large shop windows, water quickly accumulates in front of doors, windows and walls. Wind and driving rain also force surface water towards the interior. PROCOLINE drainage channels effectively drain away large quantities of water.



Perfect appearance

Clear away obstacles or stop them from occurring at all – with the use of PROCOLINE drainage lines, both are taken care of almost automatically. Robust materials and a clever structure provide stepless height adjustment from 35 to 60 mm or 55 to 90 mm. This is a distinct advantage at transitions to balcony and patio doors.

A different slant on things

The angle of PROCOLINE drainage channels can also be adjusted to match local conditions precisely. The drainage line housing is steplessly adjustable up to an angle of 15° or 18°. This means that PROCOLINE can be adjusted with millimetre accuracy – particularly practical when it comes to barrier-free living.

Durability and stability

Corrosion resistance plays a vital role, particularly in outside areas. This is why we only use very high quality materials to manufacture PROCOLINE drainage channels such as stainless steel V2A (1.4301) and galvanised steel. These materials are weatherproof and provide added strength as well.

Tip

Be it directly during installation or at a later stage: PROCOLINE drainage channels can be quickly adapted in height and incline from above at any time.

Simply cut to size

Our major focus when we developed PROCOLINE drainage channels was to achieve perfect adaptability. For this reason, we have ensured that you can cut PROCOLINE to length at any point. Simply fit the respective PROCOLINE end caps to the ends. This assures perfect function and adaptation to the nearest millimetre.

It is all a matter of geometry

Water permeability, stability, appearance and convenience – all of these factors rely essentially on how we engineer the geometry of PROCOLINE drainage channels. Depending on the product and requirements, we have always found the perfect solution in doing so. For example, the design grating made of V2A stainless steel, which not only has great functionality but also impresses with its beauty.

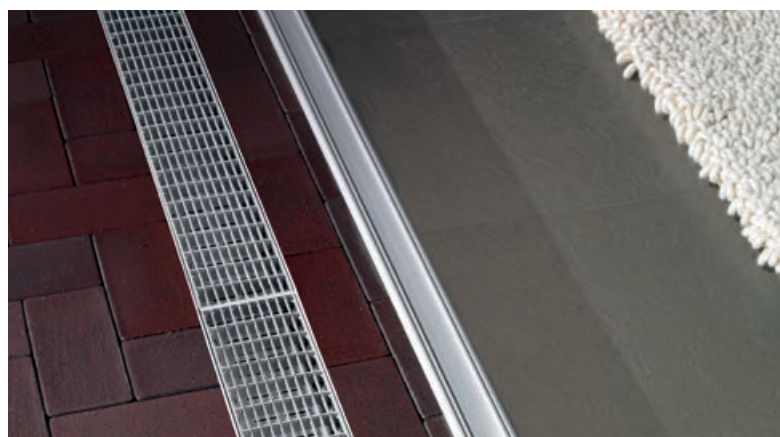
When strength is needed

If the demands on stability are particularly high, e.g. to cope with wheelchairs, PROCOLINE drainage channels can be secured with double action by using additional height adjustment elements. To do this, we offer you a set of three height adjustment bases and six adjusting screws for installation heights of between 35 and 60 mm or 55 and 90 mm.

Perfection in use

Areas of application of PROCOLINE drainage channels:

- **Balcony and patio coverings**
- **Loggias and roof patios**
- **Courtyards and footpaths with no vehicular traffic**



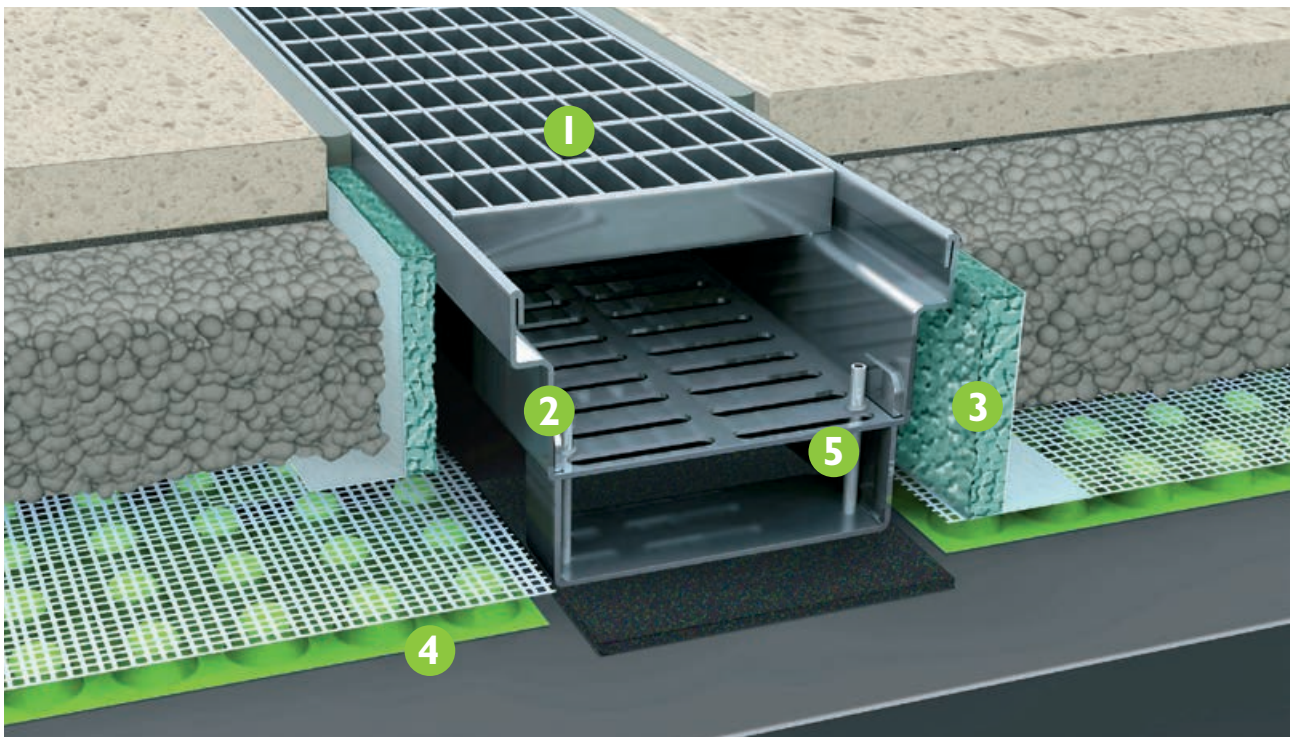
Quality right down the line

- **Easy and quick to install**
- **Steplessly adjustable in height and angle from above, even after installation**
- **Can be installed as a single element or to form a line**
- **Can be cut to size at any point**
- **Particularly sturdy thanks to choice of material but cannot be driven on**
- **Aesthetic and creative selection opportunities**

PROCOLINE drainage channels

Keep façades looking good and protect living areas

Whether you need to drain façades, door transitions or channel water away from patios, you cannot go wrong with PROCOLINE. The channels are made from high quality, seawater resistant materials and can be adapted to any situation. The design of PROCOLINE drainage channels is also quite something.



- 1** PROCOLINE helps to drain off accumulated water or overspills quickly and effectively.
- 2** High quality materials and a sturdy geometry ensure that PROCOLINE withstands high loads effortlessly.
- 3** PROSTRIP edge insulating strips prevent mortar and aggregate from dropping under the drainage line housing. It allows retrospective height adjustment from above even if floor coverings have already been fitted.
- 4** The perfect partner for PROCOLINE are PROCODRAIN drainage mats for various floor coverings and laying methods.
- 5** PROCOLINE drainage channels are quick to clean and can be cut to size at any point.

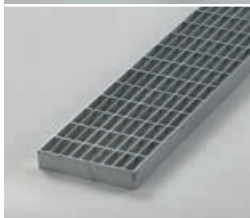
PROCOLINE drainage channels

- For standard door widths up to 100 cm
- Adjustable to any height and angle from above
- Drainage line housings made of seawater-resistant aluminium
- Available with grille/design grating
- Wheelchair accessible
- Installation heights of 35 to 60 mm or 55 to 90 mm
- Can be cut to size at any point
- Can be extended or cut to size individually when connected in line
- Can be cut to size at any point



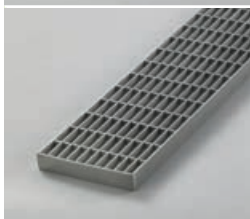
Drainage line housing

- Aluminium
- For balconies/patios, wheelchair accessible
- Width 12 cm, length: 1.00 m



Grille

- Steel 30/10 hot-galvanised
- Length: 1.00 m



Grille

- Stainless steel (V2A) 30/10
- Length: 1.00 m



Grille

- Stainless steel (V2A) design
- Length: 1.00 m



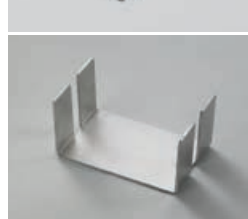
Side walls

- Aluminium
- Installation heights: 35–60 mm, 55–90 mm



Height adjustment elements

- Aluminium
- To support the drainage line housing, installation heights: 35–60 mm, 55–90 mm



Connector

- Aluminium
- Installation heights: 35–60 mm, 55–90 mm



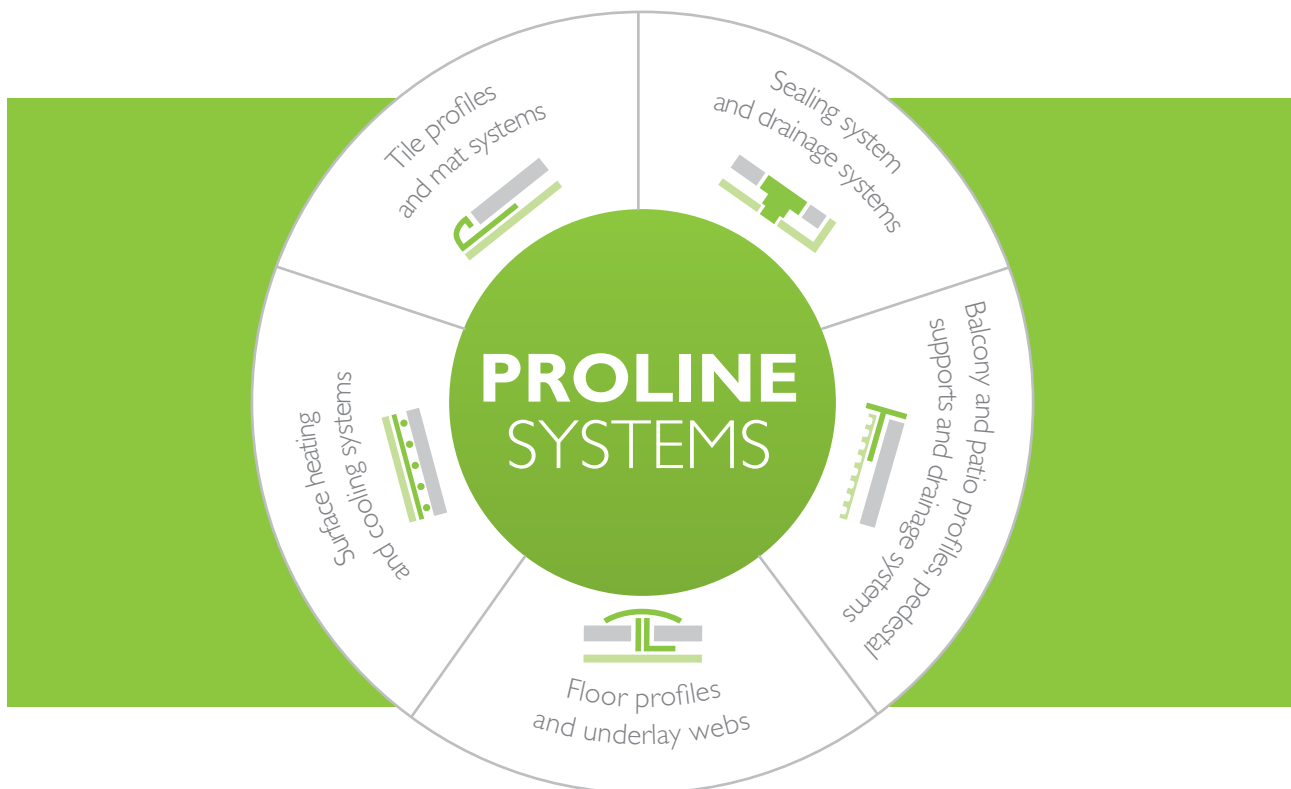
End cap

- Aluminium and stainless steel
- For side covering of cut grilles

Product systems from Proline

Because the whole is more than the sum of its parts

Time is money. If you procure each of the components for the floor, wall, wet room and outdoor floor coverings separately, your ultimate concern will be whether one or other of the links along the chain may turn out to be the weak point. And this may affect your competitiveness. That is why Proline makes your choice easier: Whatever you need on the building site – we have got it. And what we have is compatible down to the minutest detail.



An unbeatable team

Every product from Proline is part of a chain and you can rely on every link in that chain. Each of our products is exceptional on its own. But when used together, they truly exceed the sum of their parts. Floor profiles work perfectly with underlay materials; tile profiles join seamlessly with the functionality of matting systems. Proline can be used for anything, even drainage and sealing systems. You can even get all system components with the same décor patterns and materials – for visual as well as technical harmony.

Satisfied customers – for many years!

Proline offers you an enormous choice of design solutions in all product lines. This way, you can cater to all customer demands individually. Another advantage for trades, craftspeople, planners and clients: Proline products offer durability and save time – thanks to matching system components and the high quality of every single product. In turn, this makes for enthusiastic customers since floor and wall coverings combined with Proline products enjoy a much longer service life.

Informational materials

Even professionals need help and advice now and then. By choosing Proline, you've come to the right place. An initial overview is provided by our product data sheets that you can order by phone or download from the internet. Laying instruction films round off the service.

Technical Hotline

Our engineers have extensive product know-how to assist you. For major projects, for example, we offer consultation on site. But even on the Proline Engineering Hotline you will always reach the right contact person to discuss technical queries in detail – just to be on the safe side.



Your direct line to Proline

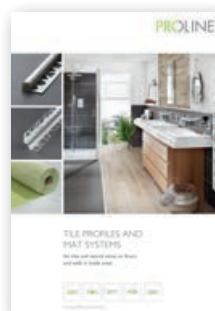
Customer Support
+49 (0) 67 42/80 16-27

Technical Hotline
+49 (0) 67 42/80 16-85

www.proline-systems.com

List of product brochures

Our product line brochures provide you with a first guide to our wide range of products. Ask your dealer – or use our online download offer.



Topical brochures

In our topical brochures, you will find all information on our system and product groups.



Product brochures

Refer to our product brochures for information on individual products.



Image brochure

Our image brochure provides general information about Proline products and services.

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Your authorised dealer: