

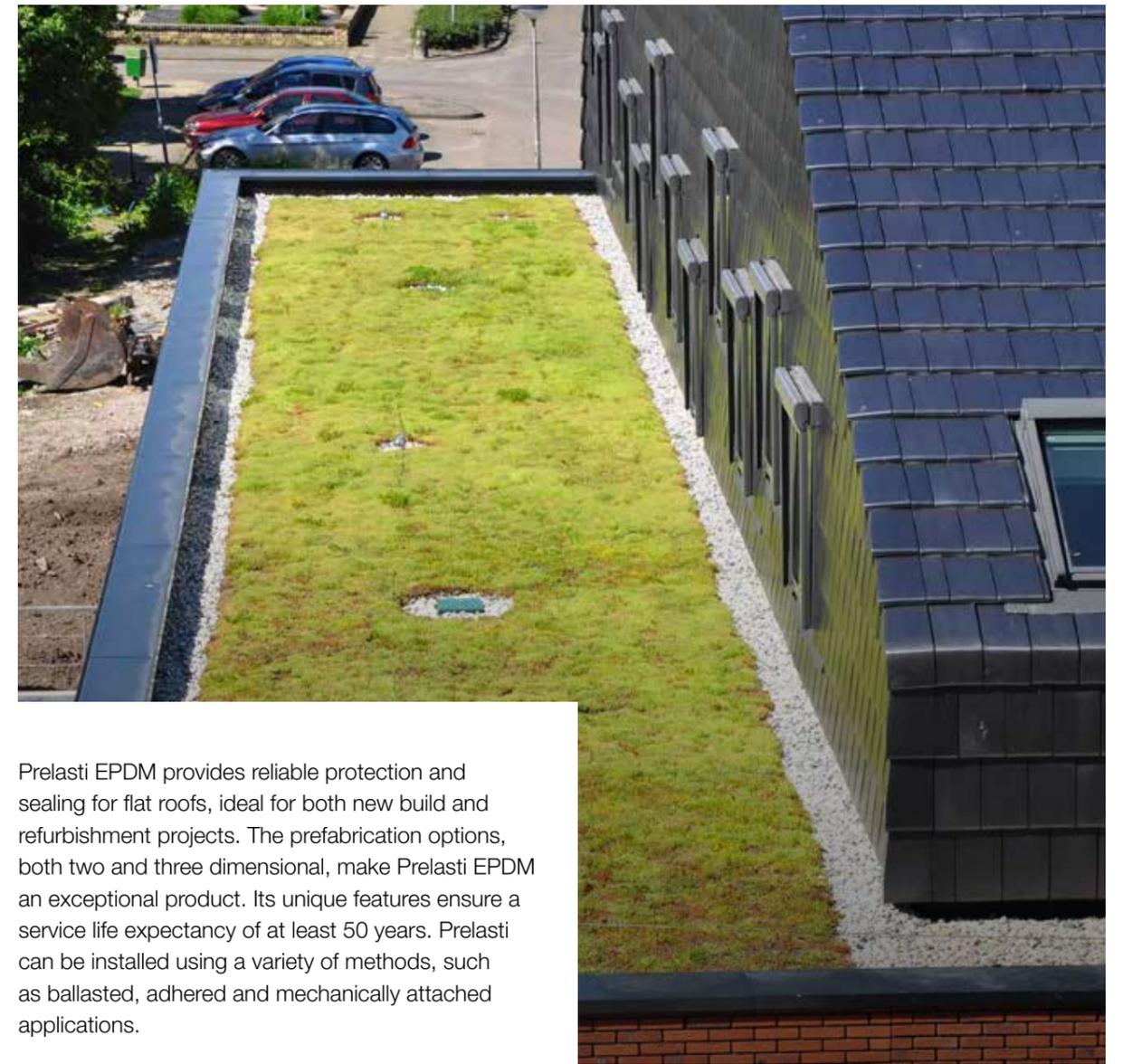
# Prelasti

The most durable waterproofing solution for flat roofing



# The perfect solution for a sustainable and reliable roof

Prelasti is one of the first established EPDM brands in Europe. Prelasti is a very high-quality and durable product and distinguishes itself in particular through prefabrication options in both 2 and 3 dimensions



Prelasti EPDM provides reliable protection and sealing for flat roofs, ideal for both new build and refurbishment projects. The prefabrication options, both two and three dimensional, make Prelasti EPDM an exceptional product. Its unique features ensure a service life expectancy of at least 50 years. Prelasti can be installed using a variety of methods, such as ballasted, adhered and mechanically attached applications.

## Waterproof and sustainable options with EPDM

**Prelasti EPDM membranes have proven durability of more than 40 years on roofs. Prelasti EPDM has been tested by renowned institutes, such as SKZ and Constructech.**

SKZ in Germany has investigated the theoretical life expectancy of EPDM. Taking into account all known external influences, SKZ assumes a theoretical lifetime of Prelasti EPDM of more than 50 years. Taking into account material deviations, tolerances and various types of roof construction.

Constructech Sweden AB has investigated various old roofs, which were installed between 25 and 37 years ago. The result of this visual inspection and the laboratory analysis, performed by certified technical research institutes, shows that the Prelasti EPDM membranes offer excellent resistance to ageing and weather influences. Even after 37 years of exposure, the membrane still meets the criteria of a new EPDM membrane. The many projects that have been completed in recent decades confirm the studies: the roofs are still in top condition even today.

## Environmentally friendly

The impact of Prelasti on the environment is minimal, both during production and in its application. The membranes do not release any toxic substances, which means that rainwater run-off is perfectly suitable for irrigation. Prelasti EPDM is also 100% recyclable. Using the latest techniques, we can split the ingredients and reuse them in our mixtures for new membranes. EPDM roofing has been assessed by the NIBE institute in the Netherlands as the most sustainable choice for flat roofing. The total shadow costs were taken into consideration for both a mechanically attached and an adhered roofing system. In both fastening systems, EPDM has the least impact on the environment. That is why EPDM is classified as the most environmentally friendly product. This impact is determined based on the Life Cycle Analysis (LCA) methodology. EPDM leaves traditional roof coverings far behind.

*Its life expectancy and low environmental impact make Prelasti EPDM the perfect 'Green' roof protection. The Thermobond Induction system also makes it possible to dismantle and reuse Prelasti EPDM roofs.*



## Prelasti prefabrication

In our local fabrication units, the Prelasti membranes are perfectly made to measure. Prefabrication always takes place under the most ideal conditions. Working in a temperature-controlled environment where the area is clean and dry ensures the prefabrication process is efficient and quality checked. Through the benefits of prefabrication, installation time is drastically reduced. 3D membranes can be produced with the detailing, curbs and corners perfectly prefabricated into the membrane. Prefabricated membranes save you time and are easy to install.



## Prelasti Roofing Systems

### Ballasted roofs

The Prelasti membrane is loose laid on the substrate and ballasted with gravel or tiles, following the applicable regulations. The ballast layer immediately functions as a fire-resistant layer. Gravel ensures rainwater drains more slowly from the roof and can be considered as a water buffer. If carried out correctly, there is a reduced risk of clogging by leaves than with unballasted roofs. For ballasted roofs, the substructure must be suitable for the applied weight.



### Adhered roofs

The Prelasti membrane can be adhered to substrate such as concrete, steel, wood, suitable insulation or on old bituminous roofs, with different types of (environmentally friendly) adhesives. When adhering, the substrate should be clean, dry, and free from debris. Always check in advance whether the substrate is suitable for bonding.



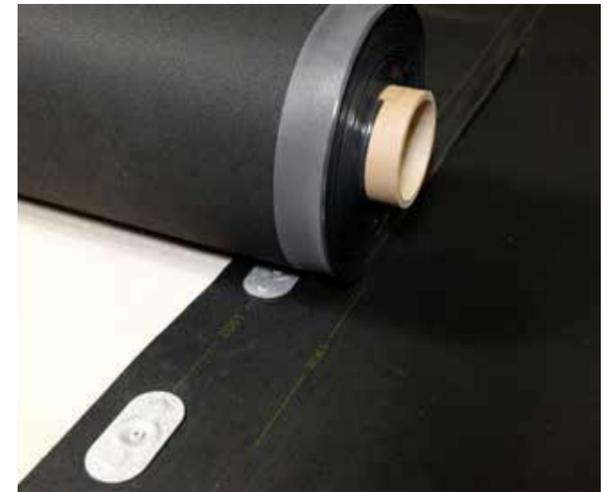
### Mechanically fastened roofs

The Thermobond Induction technology combines the use of prefabricated membranes with non-perforating fixing techniques, as waterproofing for most constructions. The application technique is suitable for warm and non-insulated roofs. The Thermobond plates are fixed in the substrate with appropriate fasteners according to a predetermined layout. The Prelasti membrane is not attached to the seam overlap, as with all other roof systems. After the fasteners have been fixed, the prefab membrane is rolled out. The attachment of the fasteners to the Prelasti membrane is done in a few seconds utilizing induction, through the membrane and without perforation. This means that the majority of the roof is immediately protected.

*It is even possible with the Thermobond Induction system to dismantle a Prelasti roof and reuse the membrane!*

### Prelasti Fleece mechanically fastened

Prelasti Fleece is a roofing membrane with a fleece backing on the underside of the Prelasti membrane. This creates a very stable and strong EPDM roofing membrane. The roofing sheets are mechanically secured in the overlap with washers, tubes and fasteners.





## Green roofs

The unique splicing techniques make the Prelasti membrane particularly suitable for green roofs. In combination with our Prelasti Green membrane, you do have a “green roof”.



## Prelasti and gutters

Prelasti membrane is a perfect solution for waterproofing of gutters. Prelasti can withstand ponding water and is highly resistant against micro-organisms. The Prelasti membrane can be fully adhered to substrate with different types of (environmentally friendly) adhesives.

## Why Prelasti

- ✓ Tailor-made solutions
- ✓ Fast, easy and secure installation
- ✓ Highly UV- and ozone resistant
- ✓ Elasticity > 300%
- ✓ Resistant against root penetration (Green roofs)
- ✓ High-temperature resistance (-40°C up to 150°C)
- ✓ Application without open fire (safe installation)
- ✓ Maintenance-friendly and recyclable
- ✓ Environmental friendly (products and systems)
- ✓ The service life expectancy of more than 50 years
- ✓ Suitable for all roof types, for new building and refurbishment
- ✓ Non-penetrating fasteners with Thermobond Induction system
- ✓ We provide full support to professionals



**Prelasti is highly resistant against UV and ozone radiation**

## Our Prelasti Products

### Prelasti S / FR

- Unreinforced EPDM
- Available as rolls, standard panels, 2D or 3D prefabricated membranes
- Seam jointing by hot and cold splicing techniques.



### Prelasti Fleece

- Fleece backed EPDM
- Rolls, standard panels and 2D prefabricated membranes
- Seam jointing by hot and cold splicing techniques.



### Prelasti Green

- Unreinforced EPDM containing 42% recycled content
- Available as rolls, standard panels, 2D or 3D prefabricated membranes
- Seam jointing by hot and cold splicing techniques.

## Training and support for roof professionals

In order to ensure that our products are used in the best possible way, we have devoted a great deal of time to provide training and information for the installers of Prelasti EPDM. In our various training centres, and also on location, contractors are fully instructed and trained in how to install Prelasti EPDM correctly. Only approved and trained roofing contractors have full access to the Prelasti EPDM program.

We also offer technical support from quotation to installation and, of course, in after sales service. If required, we can provide technical support on the site.



## AluShell, the perfect vapour barrier in combination with Prelasti.

AluShell is a durable vapour barrier which provides key component of the total roof construction. AluShell is a glass reinforced aluminum foil with a self-adhesive modified bitumen layer. The self-adhesive layer is provided with a release film, which makes the installation very easy. AluShell is tested according to DIN 18234, for application on profiled metal sheets .

## Certificates and approvals

Our operations are conducted according to ISO 9001 and ISO 14000. Products and systems are tested according to applicable standards, supervised by independent laboratories, authorities and certified to local building codes in all the markets where we are active.





# We make waterproofing easy

SealEco is a manufacturer of EPDM rubber membranes for waterproofing. With more than 50 years of experience and product knowledge, we offer the best solution for every situation. With an extensive portfolio of projects, SealEco products are successfully installed in extreme climates worldwide and, even decades later, the quality of products remains consistent throughout their lives.

In addition to providing waterproofing to buildings, when ponds, reservoirs, covers, or basins for industrial or agricultural use are required, SealEco's innovative products and skills mean that we can offer customized solutions to meet your requirements. SealEco supports you throughout the entire process of your projects. We do not only offer the right watertight systems and solutions, we also make it easy for you!

SealEco sets high standards and values for daily operations. Embedded in our company, our goal is to burden the environment as little as possible with our products and methods. By working effectively, we support our partners both inside and outside the organization. We strive to deliver quality in everything we do.

SealEco is part of the Nordic Waterproofing Group and our more than 1,000 employees have the responsibility, integrity and ambition to meet and exceed your expectations.

For more information, visit [www.sealeco.com](http://www.sealeco.com)



Your Prelasti dealer: