



Roof sealing system
Façade sealing system

Geomembrane system
Special sealing system



The Original

powered by



NovoProof® the Original

Louis Vuitton Foundation, Paris



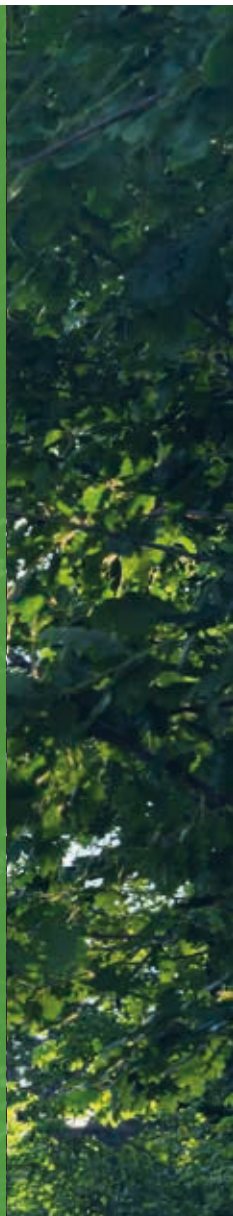
As the specialist for high-performance sealing systems, we have been processing EPDM rubber for more than 60 years to our innovative Original: NovoProof® sheets and membranes. The R&D and production know-how of SaarGummi sets the benchmarks worldwide. Our products fit protectively to every building geometry and offer 100 % safety for new construction and building restoration.

Our unique products realise your vision: Whether it is long-term roof sealing, sustainable and ecologically harmless design of a pond landscape or singularly aesthetic facade sealing with guaranteed attachment reliability - we consistently pursue the goal of providing a tailor-made solution for every sealing problem.

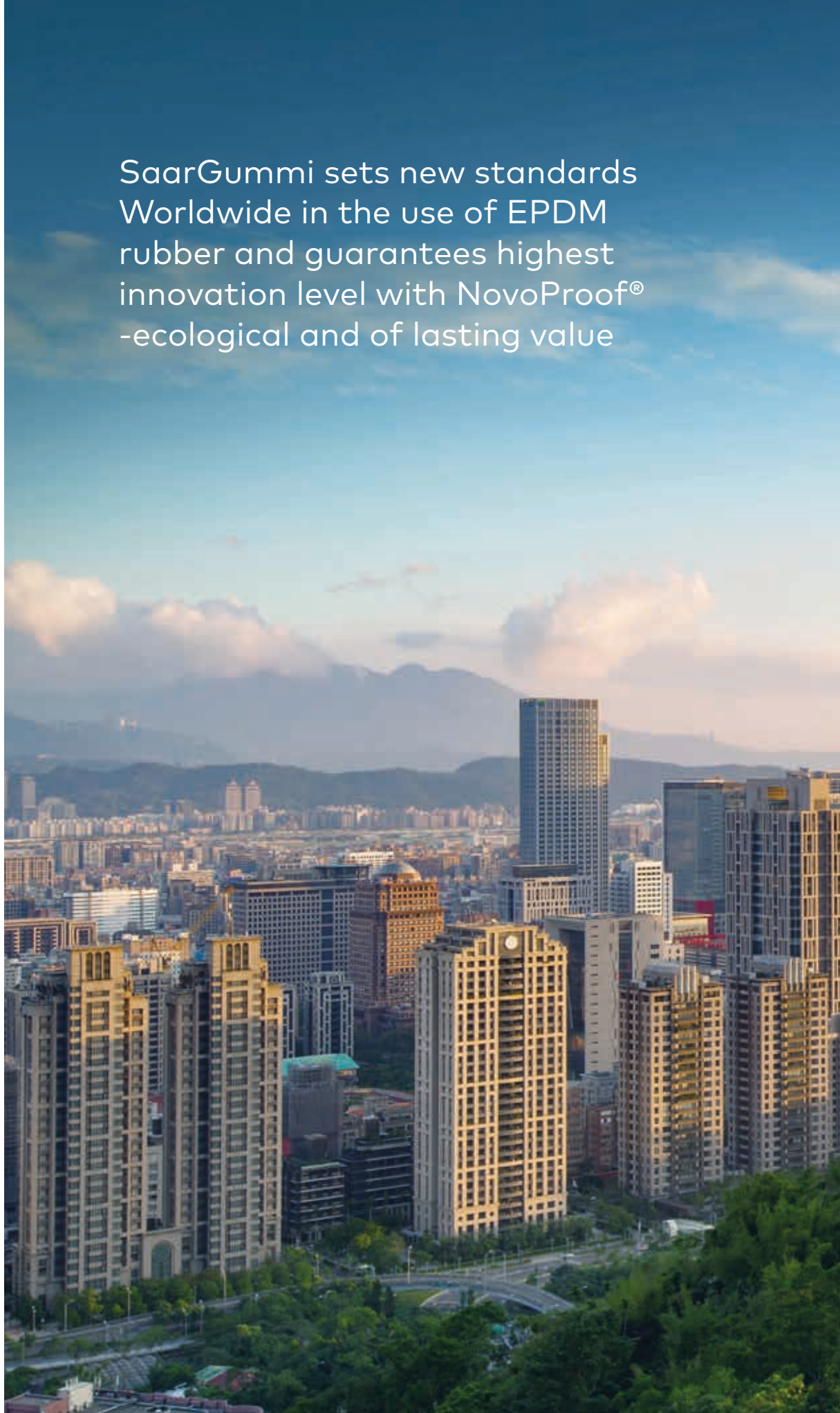


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SaarGummi sets new standards
Worldwide in the use of EPDM
rubber and guarantees highest
innovation level with NovoProof®
-ecological and of lasting value



Taipei 101, Taiwan



We set new standards

Our highly qualified employees constantly build the strongest potential for new innovation with their knowledge: inventive thinking, rich experience and competence coupled with high commitment and quality standards will set new benchmarks even in the future.

Manufacturing department,







We are the market leader for the application technology of EPDM

The decisive advantage of our NovoProof® sealing systems lies in our know-how of the optimal utilisation of the synthetic rubber EPDM. With the innovative spirit and in-house research and development, we have been developing unique, high performance EPDM formulations for decades. These have been specially designed by us for the respective areas of application and processed in our special vulcanisation method. Our know-how increased for decades and our next level product solutions ensure the quality of our sealing systems. It is no coincidence that we are the market leaders for the application technology of EPDM.

Innovation and reliability for the future

Our EPDM products stay elastic, extremely durable and clearly exceed the life expectancy of competing materials by a service life of over 50 years: With a sustained flexibility even at temperatures from -40°C to +120°C, our sealing solutions are also robust to withstand mechanical and chemical influences, and compatible with other construction materials.

Your property is sustainably protected against wind and weather, frost and heat with EPDM sealing system. Our ecologically compliant and recyclable products are free of volatile plasticiser and root resistant, because of which they are the ideal choice for green roofs. With our roofing membranes, building envelope systems, as well as the maintenance-free and water-tight geomembrane systems, we are setting new performance standards and creating sustainable values for the future.

We offer durable sealing solutions. The applications of our EPDM compounds are various:

NovoProof® covers roof/building/façade sealing products and geomembrane liners, which are reliable over generations. Even complex problems can be solved with NovoProof® sealing systems for long-term safety, and therefore also highly economical.



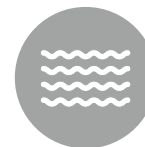
Roofs



Buildings

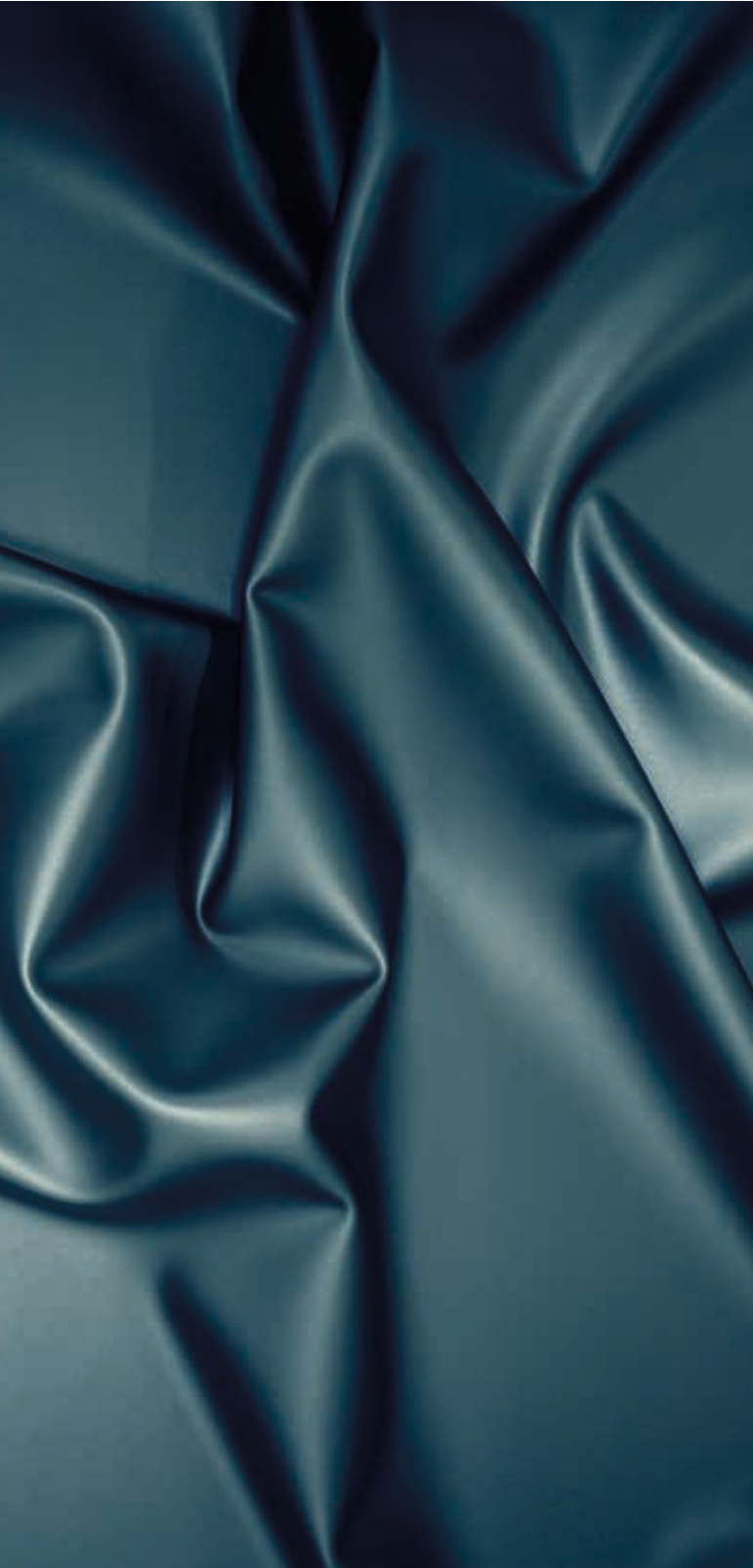


Façades



Ponds and pools

The answer to your sealing problem



Our NovoProof® sealing sheets and prefabricated membranes are universally applicable for new buildings and renovation, and make the roofs watertight - tailor-made from bungalows to logistic halls - durably secured. Additionally, we offer a wide range of preforms. They create a long-lasting moisture barrier between windows or façade elements and building structure with façade sealing sheets and strips. And our environment friendly NovoProof® TE geomembrane liner (for ponds) is watertight, durable, root-resistant and ecologically safe.

NovoProof® always provides the individual, problem and application-oriented answer. We look into details and always incorporate factors such as type of the property, condition of the building structure, physical condition of the building, and an optimal installation procedure into our solutions.

We also deliver a matching range of accessories

Adhere strongly and seal elastically: SaarGummi offers a complete program for the perfect installation. All elements of the approved adhered roofing system are perfectly compatible in their chemical composition and cover all areas of technical application. Whether it is for surface areas, connections, point or line-shaped adhesions, porous or smooth substrates, façade or roof, inside or outside - the application of our products is limitless.

Products overview

NovoProof® Products

For new building and renovation projects

area of application

Membranes

NovoProof® DA-K

Roofing membranes for economical and immediate installation on modern lightweight roof structures

NovoProof® DA-S

Robust roofing membranes with thick non-woven backing for roof renovations.

NovoProof® DA-G

The aesthetic, light grey roof sealing sheet for economical and immediate installation on modern lightweight roof structures that protects against heat in summer.

Prefabricated membranes

NovoProof® DA-P

Factory-made preassembled roofing membranes for a quick, large-scale sealing of buildings and ballasted roofs, also for accessible roofs-environment-friendly, roots and rhizomes resistant according to FLL.

NovoProof® TE

Geo-synthetic waterproofing membranes for the sealing of retention reservoirs and dams according to DIN EN 13 361.

NovoProof® Moulds and Collars

Time and cost-saving, pre-fabricated and tailor-made in the factory and hence safe to handle.

Facade

NovoProof® FA

Façade sealing sheet made of vapour-diffusive EPDM, long-lasting resistance to wind and water.

NovoProof® FA-SELF

Self-adhered version of NovoProof® FA.

NovoProof® FAI

Façade sealing sheet made of water-vapour-tight butyl rubber.

NovoProof® FAI-SELF

Self-adhered version of NovoProof® FAI.

NovoProof® KE

Façade rubber strips welded with profile. Connect windows long-lastingly and elastically with façades.



ThermoFast® Welding technique

For the efficient use of our products, we have developed our patented ThermoFast® welding technique, with which all NovoProof® EPDM membranes and preforms are equipped at the factory. With this user-friendly ThermoFast® welding technique that has been proven over decades of application, the seams can be quickly and easily welded even at a temperature down to -10°C, . It enables EPDM membranes to be welded durably secured only by hot air and pressure into large-scale and water-tight sealing systems.

And for instance, where the overflow nozzles or pipes penetrate the roofing membranes should still stay watertight, prefabricated moulds and collars made in factory are welded on site and thus keep the roof penetrations watertight from the beginning. Thanks to the ThermoFast® welding technique developed by SaarGummi, reliable quality of materials and installations are guaranteed. Either factory-made or at the job sites, the result will be a secure, watertight and homogenous sealing solution for your property.

Apartment building, Bernkastel-Kues,



NovoProof® DA-K for lightweight roof structures

A sealed roof is the guarantee for a long life of all building constructions. NovoProof® sealing systems make your bungalow, garage, balcony, terrace, and industrial or logistic building durably waterproof.

Our flat roof sealing products are lighter than competitive products: With the low weight of only approx. 1.8kg/m², NovoProof® DA-K is not only easy to install but also suited particularly for any type of the lightweight roof construction. The extremely good ozone and UV-resistance performance and the robust yet elastic properties of NovoProof® DA-K guarantee a high durability almost without ageing in all climate zones, from the northern Taiga to the southern desert areas.

University, Saarbrücken





University, Saarbrücken

Our tailor-made solutions

We provide the flexible, tailor-made solution for all kinds of problems. Since sealing systems of NovoProof® DA-K are completed by custom-fit preforms for roof penetrations, connections and closures of different designs. The economical installation of the membranes on flat roof insulation boards of any type is quick and trouble-free by mechanical fixing and / or partial adhesion. Because the herbicide-free roofing membranes are root-resistant, a later expansion of the roof area is also possible, such as a subsequent installation of green roof.

Technical Data

Product data is subject to possible changes caused by production

Designation	Roofing membrane according to DIN EN 13 956 Rubber damp proof sheet according to DIN EN 13 967
Nominal thickness	1,3 mm 1,5 mm
Width	1,30 m / 0,65 m / 0,43 m with ThermoFast® Welding Edge
Length	20,00 m, customised length possible
Colour	black
Resistance to ozone	ozone-resistant according to EN 1844
Resistance to UV	UV-resistant according to EN 1297
Bitumen compatibility	bitumen-compatible according to EN 1548
Resistance to root penetration	root-resistant according to EN 13 948
Tear strength	≥ 6 N/mm ²
Elongation at break	≥ 400 %

NovoProof® DA-K

as typical single-ply roofing system



NovoProof® DA-S for renovation and new construction

STEAG New Energies GmbH, Saarbrücken

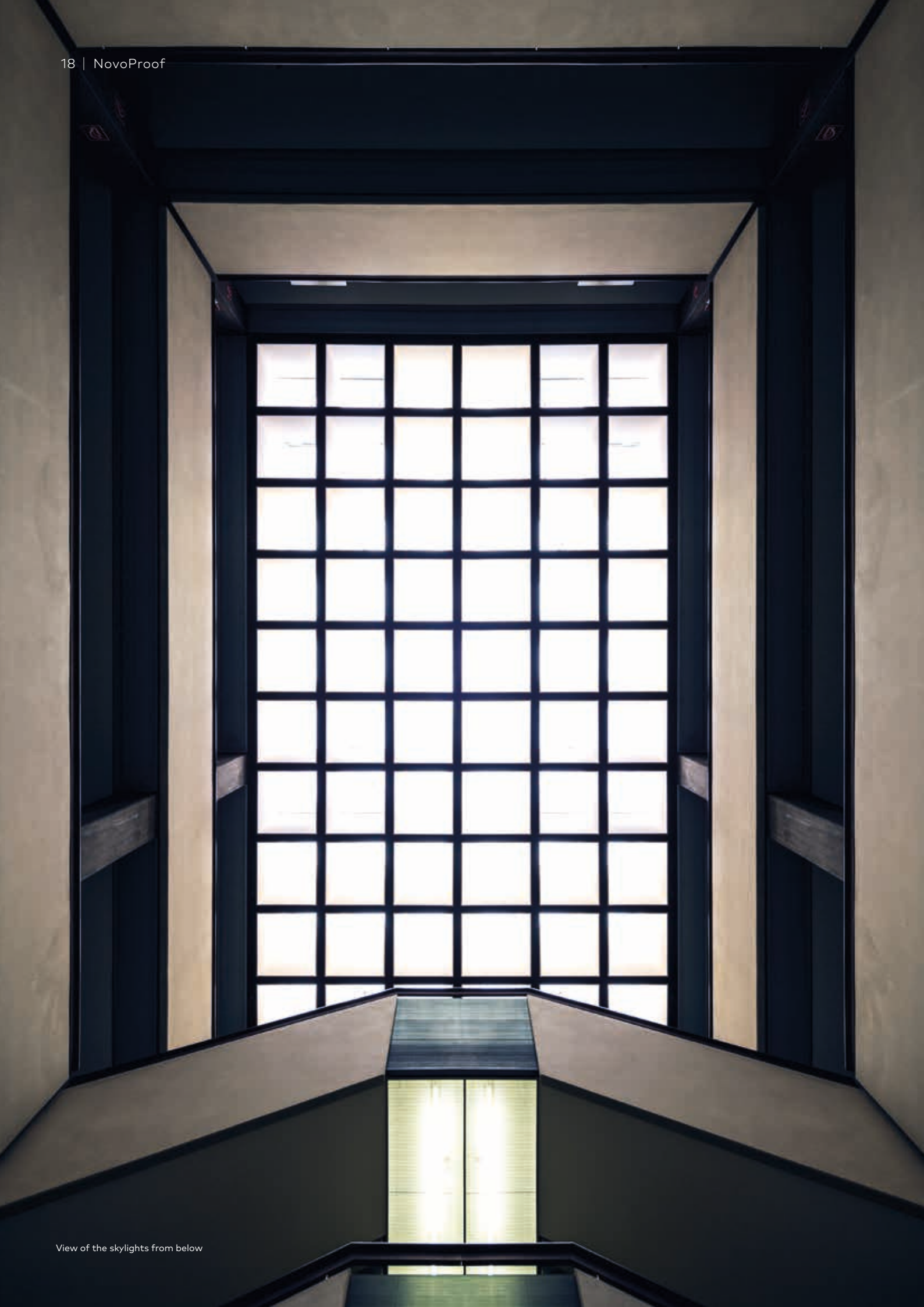


Renovation: elastic, flexible and robust

NovoProof® DA-S is the solution for your renovation project: Even in the case of extreme damage, our roofing products are the secure and reliable choice. Due to their predicted service life of more than 50 years, the advanced surface sealing systems made of EPDM rubber are as good as maintenance-free. Therefore no questions concerning demolition and reconstruction will be raised any more.

Due to their excellent physical properties, no other roofing products qualify better than NovoProof® DA-S for roof renovation projects. Our special EPDM-compound for this product is highly elastic and guarantees together with the highly tear-resistant and hard-wearing fleece a strong security.





View of the skylights from below



Unlimited possibilities for renovation

With a thickness of 2.5 mm the NovoProof® DA-S roofing membrane makes many things possible: Old roofing materials can often stay after inspection, costs of demolition and disposal will then be saved. Even rough roof substrates, such as tar and gravel roofs, can simply be covered. The installation itself is easily possible on the uneven roof substrates, such as timber cladding and cellular concrete. Due to its excellent positional stability, NovoProof® DA-S is particularly suitable for the use on the high buildings under strong wind load. NovoProof® roofing membranes are waterproof and vapour permeable. Water vapour can diffuse throughout the roofing package from bottom to top, so that the old roof surfaces can dry up after the renovation.

Economical installation

NovoProof® DA-S can furthermore be applied with almost any common laying technique: By direct and all-over torch-welding on old bitumen roofs, as well as by mechanically attaching on concrete roofs, trapezoidal sheets and wooden roofs, or by partially adhering on the prepared substrates.

Technical Data

Product data is subject to possible changes caused by production

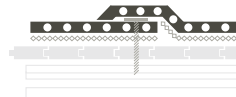
Nominal thickness	2,5 mm
Designation	Roofing membrane DIN EN 13 956 Rubber damp proof sheet according to DIN EN 13 967
Width	1,30 m / 0,65 m with ThermoFast® Welding Edge
Length	20,00 m, customised length possible
Colour	black
Resistance to ozone	ozone-resistant according to EN 1844
Resistance to UV	UV-resistant according to EN 1297
Maximum tensile strength	≥ 700 N/50 mm
Maximum elongation at break	≥ 580 %

NovoProof® DA-S

as roofing membrane (for renovation and new construction)



NovoProof® DA-S
Mechanically attached onto
Old bituminous roof
Detail 3100 30145



NovoProof® DA-S
Mechanically attached onto
Timber boards
Detail 3100 0003

NovoProof® DA-G for lightweight roofs

The aesthetic innovation

With NovoProof® DA-G we provide a product solution which is ahead of its time aesthetically as well as functionally. The light grey surface, improves buildings optically; it is particularly suitable for the application on the visible roof surfaces. The unique climatic function of this flat roof membrane works with its high degree of reflection: The light-coloured material absorbs less heat and reflects more sunlight than a darker roof material. NovoProof® DA-G is the ideal choice for the optimisation of constructive measures for heat protection during the summer months in the adjoining parts of building. Our grey roofing membrane lowers the surface temperature by approximately 20°C in comparison to a black roof and consequently reduces the convection; on the other hand, it creates a brighter and more optical space through better daylight condition.

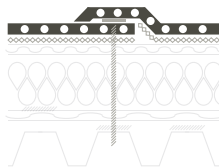
Technical Data

Product data is subject to possible changes caused by production

Designation	Roofing membrane according to DIN EN 13 956
Nominal thickness	1,5 mm
Width	1,30 m / 0,65 m with ThermoFast® Welding Edge
Length	20,00 m, customised length possible
Colour	grey
Resistance to ozone	ozone-resistant according to EN 1844
Resistance to UV	UV-resistant according to EN 1297
Bitumen compatibility	bitumen compatible according to EN 1548
Resistance to root penetration	root-resistant according to EN 13 948
Tear strength	≥ 6 N/mm ²
Elongation at break	≥ 400 %

NovoProof® DA-G

grey roofing membrane, mechanically attached



NovoProof® DA-G
 Fire protection layer (raw glass fibre)
 Thermal insulation layer polys-
 Vapour barrier with metal strip insert
 Adhesion with synthetic rubber based adhesive
 Trapezoidal profiles

STEAG New Energies GmbH, Saarbrücken



**Commonly-used and simple
installation system**

Our roofing membranes are reliably UV-resistant and exhibit high values in tear strength and elongation, which are typical for NovoProof® products. They can also be welded by Thermofast® welding technique. NovoProof® DA-G can be installed through partial adhesion or mechanical attachment.



NovoProof® DA-P for ballasted roofs



Apartment building,
Bernkastel-Kues



Tailor-made Construction method with a future

A preassembled NovoProof® membrane is the universal solution for new buildings as well as renovation projects, and makes your roof fast and effectively waterproof. Multiple EPDM sheets are welded together in the factory, through Thermofast® welding technique, into an individual customised waterproofing membrane. With this flexible solution, any size and shape of roofs is implementable, from small bungalow roof to industrial roof up to 900m². All preforms can be welded directly onto the waterproofing membranes. Custom-fit safety created in the factory can be so easy, because the preassembly is produced with the help of the provided dimensions of the roof object in a CAD-production drawing. Thus, every necessary object-related penetration, connection and closure - no matter it is a chimney, a skylight or a corner - are all included. Seam welding at the job site can also be minimised, which guarantees a maximum watertightness. As a large-size prefabricated membrane, NovoProof® DA-P is loosely laid as a whole. With a ballast of gravels or paving slabs, the prefabricated roofing membrane is immediately protective against wind load after the installation. In this way, a fast and weather-insensitive installation is guaranteed, which helps to save your valuable time.

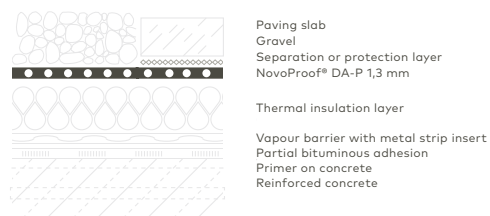
Technical Data

Material data is subject to possible changes caused by production

Designation	Roof sealing according to DIN EN 13 956 Rubber damp proof sheet according to DIN EN 13 967
Nominal thickness	1,3 mm 1,5 mm (2,0 mm upon request)
Size of prefabrication	up to 900 m ²
Colour	black
Resistance to ozone	ozone-resistant according to EN 1844
Resistance to UV	UV-resistant according to EN 1297
Bitumen compatibility	bitumen compatible according to EN 1548
Tear strength	≥ 8,5 N/mm ²
Elongation at break	≥ 350 %

NovoProof® DA-P

as roofing membrane under ballast



NovoProof® DA-P for green roofs

Innovative living spaces

The vegetation layers on roof function as the energy-saving building envelope - they are beautiful, ecological and help with flood control. They absorb up to 90% of the rainfall. Through the evaporation, water goes back into the natural cycle. Apart from that, green roofs create heat balance in summer and winter, because they provide improved room temperature by reducing the heat radiation, and the evaporation effect lowers the roof temperature from 80°C down to 30°C. When

the room temperature stays cool long enough, the overall improved U-value of a green roof ensures a reduced heat loss and thus saves the heating expenses. In addition, noise is reduced and it also functions as the fire protection layer. A green roof is an ecologically intelligent alternative to gravels or pavers, which exhibits high level of environmental consciousness. Besides the ecological advantages, the subsidies could also be attractive. A green roof is a sustainable solution and supports a worthwhile future.

The green choice





Saarbahn GmbH,
Saarbrücken

Our EPDM rubber is the right choice for your green roof: It is ecologically safe and environment-friendly. In contrast to other roofing materials, NovoProof® contains no volatile plasticisers, and hence remains its long-lasting elasticity. While, for example, bituminous waterproofing membranes are multi-layered, our demonstrably robust prefabricated membrane, which is over 40 years old, is a single-layer material and yet waterproof and root-resistant without any herbicides. Thanks to our Thermofast® welding technique, a reliable and waterproof sealing system is created for your green roof, where the penetrations, connections and closures are safely secured over decades.

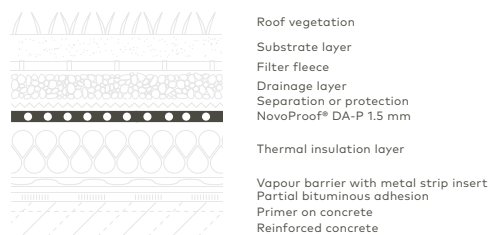
Technical Data

Product data is subject to possible changes caused by production

Designation EN 13 956	Roofing membrane according to DIN Rubber damp proof sheet according to DIN EN 13 967
Nominal Thickness	1,3 mm 1,5 mm (2,0 mm upon request)
Size of prefabrication	up to 900 m ²
Colour	black
Resistance to ozone	ozone-resistant according to EN 1844
Resistance to UV	UV-resistant according to EN 1297
Bitumen compatibility	bitumen compatible according to EN 1548
Resistance to root penetration	root-resistant according to EN 13 948
Tear strength	≥ 8,5 N/mm ²
Elongation at break	≥ 350 %

NovoProof® DA-P

as roofing membrane for green roof



NovoProof® TE for ponds and pools

Water is life. Liveable biospheres grow from aquatic ecosystems. We have been producing geomembrane lining systems for over 50 years. Our experience with watertightness contributes to projects such as water retention for ponds and swimming pools, water gardens, parks and golf courses, fire water ponds and dike ponds.

Green and safe

The protection of our nature is important to us. Our eco-friendly NovoProof® TE geomembrane is resistant against algae and micro-organisms, resistant to root penetration, and does not emit harmful substances that could endanger fish stocks, frogs or microbes during its service life. Our geomembrane is also ecologically safe for humans. The durably elastic, weather-proof material is also root-resistant and offers security to the sensitive ecosystem of ponds through its long and maintenance-free service life. No matter where there is no natural layer of earth, environment-friendly NovoProof® waterproofing membrane made of EPDM rubber can effectively prevent, particularly by seam welding through Thermofast® welding technique, the water infiltration.

Watertight, elastic and flexible

Since our material made of EPDM rubber is completely waterproof, the prefabricated membrane stays consequently elastic and flexible under all possible conditions. During the folding test with temperatures down to -40°C, there are still no cracks developed, this property enables NovoProof® TE membranes to be laid out even when the frost hits. When it comes to ozone, a problem for many conventional pond liners in the long term, there is still no damaging effect on our materials. The elasticity of our high-performance rubber remains unchanged at temperatures from -40°C to +120°C

Fast installation

We weld individually the large-size and watertight prefabricated membrane in the factory, with our innovative Thermofast® welding technique. At the construction site, you only need to roll out the prefabricated membrane on a prepared roof substrate at a proper position, which is indicated on the package of materials. Thermofast® welding technique makes an optimal integration of preforms onto the surface area. Where the overflow nozzles or pipes penetrate the roofing membranes should still remain watertight, preforms made in factory are welded on site and thereby keep the roof penetrations watertight.



Thermofast® Welding Edge



Technical Data

Product data is subject to possible changes caused by production

Designation	Geosynthetic membrane for the sealing of retention reservoirs and dams according to DIN EN 13361
Nominal thickness	1,3 mm 1,5 mm (1,0 mm + 2,0 mm upon request)
Size of prefabrication	up to 900 m ²
Tear strength	≥ 9 N/mm ²
Elongation at break	≥ 380 %

NovoProof® TE

as geomembrane for clarifier



Interlocking pavers

Protective layer approx. 5-10 cm
Geotextile approx. 400g/ m²
NovoProof® prefabricated geomembrane
Geotextile approx. 400g/ m²
Structural support and fine subgrade (0-2 mm)
Subgrade (Proctor compaction -95%)



NovoProof® collars and moulds



Production of preforms

Make complex details durably watertight

Our rich assortment of standard moulds and collars for penetrations, connections and closures makes these complex details durably waterproof. There are also special preforms for penetrating building elements, and ducts. All products are customised and checked for tightness in the factory. Equipped with the Thermofast® Welding Edge, they can be easily and securely welded onto NovoProof® products with a hot-air welding device. Fast and weather-insensitive installation saves your valuable time.

Our products at a glance

We have decades of experience in manufacturing and further processing of preforms as well as a wide variety of standard moulds and collars:

Internal and external corners

Pipe collars & sleeves

Manufacturer-specific preforms for all kinds of (roof) penetrations

Individual solutions:

Custom-made products

Tailor-made preforms provide installers with significant advantage of time-saving by quick and secure installation. Our service ranges from individual consultation to delivery of the custom-fit products:

Gutter liner

Preforms for Pillars

Window preforms for prefabricated concrete elements



EPDM Preform

NovoProof® façade sealing systems and accessories



Innovative aesthetics

EPDM rubber is so flexible that it fits any form. NovoProof® series offers a high connection safety with self-adhered alternative and connecting strips with profiles. Hence, energy resources are efficiently used by perfect sealing technique, environmental impact is decreased and actual energy efficiency is achieved. Our waterproofing membranes with custom-fit preforms for connections and closures as well as our modern adhesive systems are the favourite choice for multi-skin façades. After all, every building requires a long-lasting moisture barrier between windows or façade elements and building structures. Joint areas that must absorb relatively strong structural movement are safely sealed with NovoProof® connection sheets. Our façade sealing products

prevent also potential damages caused by salts which are aggressive to concrete and brickwork.

"Keder" - EPDM weather strips

Flexible and durable: NovoProof® KE weather strips, equipped with a wide variety of praxis-oriented and easy-to-handle EPDM strips, are suitable for almost all commercially available façade elements and windows. NovoProof® KE are in various dimensions and thickness, also available in self-adhered alternative as individual production. Therefore, our products offer the consistently high dimensional stability and are pressure-resistant up to 4 bar. The weather strips have two types: vapour tight and vapour diffusive,

Keder profile, façade



and both of them stay durably elastic from -40°C to +120°C as well as UV- and ozone-resistant. EPDM sheets equipped with Keder (clip-in profile) can be quickly and securely installed regardless of the weather conditions.

Miscellaneous profiles

Our leading technologies in development and production guarantee a precise alignment of individual application. Our in-house development team in Büschfeld, Germany, is available for customer-specific solutions including: in-house toolmaking, laboratory, analytics, advanced mixing facility ensuring clearly defined material properties, and the most modern extrusion technologies. Profiles for acoustic insulation or special applications such as mineral oil resistant tank straps come from decades of experience in design and production.

Facade

Our product range for façade sealing systems

NovoProof® FA	Façade sealing sheet made of vapour diffusive EPDM, durably windproof and waterproof.
NovoProof® FA-SELF	Self-adhered alternative of NovoProof® FA.
NovoProof® FAI	Façade sealing sheet made of water vapour tight butyl rubber.
NovoProof® FAI-SELF	Self-adhered alternative of NovoProof® FAI.
NovoProof® KE	Façade rubber strips welded with profile creating lasting and elastic connection between windows and façades.
NovoProof® FA und FAI	Available in widths from 100 mm to 1,300 mm.

NovoProof® Service



Decades of practical experience gained from thousands of roof renovation projects, new construction projects, façades and pond lining projects, the knowledge about structural physics, close cooperation with craftsmen, as well as the respective best sealing systems make our NovoProof® specialists competent and trustworthy partners for investors and professionals. They make sure that technically accurate, economically optimised and, above all, sustainable results will be achieved with their know-how and due diligence.

Customer service and technical consultation

Our customer service is as flexible as our products. In close cooperation with architects and craftsmen, SaarGummi offers an all-round-carefree-package: It comprises comprehensive needs assessment including the investigation of the actual-conditions of the existing waterproofing materials, suggestions for renovation and new construction, site measurement, support for preparation of tender documents, product selection, quantity survey and CAD-installation plans, wind load calculation and layout plans of fasteners, also construction consulting service as well as support for roof inspection and the final acceptance. Trainings, technical instructions and presentations complete our offer. For further information, our service team is looking forward to offering you a personal consultation.

Birgit Theobald,
Executive assistant &
head of quality management



Training and technical instruction

In addition to the extensive consultation for designers, construction companies and building developers, SaarGummi provides a customised training offer for the processing of NovoProof® products, and on-site support.

Partner

We establish trusted partnership in the course of many years to provide universally flawless service as well as consultation for all NovoProof® products. In this way, our partners can deliver high-quality NovoProof®

prefabricated membranes and preassembled sealing systems directly to you. Naturally, our partner network also supports you with commitment and experience for your construction projects.

Safety

NovoProof® sealing systems have all required approvals and certificates for the applications in construction projects. Additionally, audit and inspection reports and declarations of conformity are available as well.

NovoProof® Service

Customer service and technical consultation

our extensive all-round service: efficient, flexible, cooperative and practical.

Training and instruction

our customised offer for your professional development.

Partner

our prefabricated membranes and preassembled sealing systems are directly available through our partner network.





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