

INNOVATIONS



Economic Flat Roof Refurbishment with NOVOPROOF® Sealing Systems

OUR SOLUTION TO REFURBISH ROOFS FOR LONG-TERM DURABILITY



Quality and Experience from the Innovation Leader for EPDM Sealings

The refurbishment of roofs with DURAPROOF is a perfect and reliable solution based on extended years of development and production know-how with EPDM products. In the past 40 years, thousands of problematic roofs have been successfully refurbished with DURAPROOF. Within the past four years, a total surface of 7 million square metres have been cured with EPDM sealings from DURAPROOF.

The central aspect of our reliable material technology is our molecular welding technology and the range of moulds and collars which we manufacture in-house.

Safety in the very long run

DURAPROOF offers clients and users of its EPDM products a long-term warranty promise for the roof refurbishment (optional insurance). Even after many years, we still guarantee the flawless quality of our material.





Reliable partner for planners, craftsmen, developers and investors

DURAPROOF provides specific solutions for each project. First of all, the condition of the roof to be refurbished has to be assessed so that the best technological and economical solution is applied in close cooperation with the executing specialists. Combined with our services for craftsmen and planners DURAPROOF offers the safest, quickest and most economic method in the long run.



**NOVOPROOF® –
Refurbishment with cost benefits**

- Proven durability for more than 50 years
- NOVOPROOF® allows vapour diffusion, therefore humidity can dry up after refurbishment
- Particularly cost-effective: In appropriate cases NOVOPROOF® can be installed directly over the old roof layers, thus avoiding removal and disposal
- NOVOPROOF® products are certified to German Flat Roof Guidelines ("Flachdachrichtlinien")
- NOVOPROOF® fulfills all European application norms and guidelines

MATERIAL ADVANTAGES



NOVOPROOF® – The Ultimate Material for Roof refurbishment

NOVOPROOF®, made of high-performance synthetic rubber, offers unparalleled characteristics. Its particular strength lies in the natural elasticity, free of volatile plasticizers: embrittlement as a result of plasticizer migration, as for example in PVC, is unknown.

Durable and waterproof at long sight

NOVOPROOF® roof sealing sheets are stable against chemical, mechanical and biological influences.

The special rubber-elastic characteristics of EPDM are preserved over many decades and guarantee an extremely durable and permanently safe roof refurbishment. This is certified by independent studies.



Waterproof and extremely durable material – NOVOPROOF® brings its advantage into play.



NOVOPROOF® roof sealing sheets can be provided at a width of up to 1.30 m; object-related fixed sheet lengths are possible.



Waterproof, but vapour-permeable

Water vapour is able to diffuse through the NOVOPROOF® roof sealing sheets. In a significant number of cases this spares you demolition and removal of old materials.



Light and flexible

With a minimum grammage of 1.6 kg/m², NOVOPROOF® sealing sheets weigh less than competitor products. NOVOPROOF® remains elastic and flexible, and therefore resists thermal stress as well as vibrations of the building for decades.



**Refurbishment with NOVOPROOF® –
Clear advantages of the material**

- Installation in every weather condition
- Long-term durability
- Bitumen-compatible
- Ozone- and UV-resistant, oxidation-resistant
- Resistant against aggressive media
- Flexible and elastic from -40°C up to +120°C
- Hailstorm-resistant
- Root-resistant, fungi- and algae-resistant
- Solvent-free welding technique
- Environmentally compatible and rational



For green roofs, we offer our product type NOVOPROOF® DA-P.



The quality of all DURAPROOF products is permanently controlled.

THERMOFAST® WELDING TECHNIQUE – THE BEST CONNECTION



For Unparalleled Safety – Automated Welding

NOVOPROOF® EPDM sheets are equipped with our patented Thermofast® welding strip. It sets the stage for a thermal welding, which leads to molecular connections of the sealing sheets. The result: a safe sealing made out of one piece.

- Homogeneously welded joints
- Hot-air technique
- No use of adhesives in the joint area
- Weldable at temperatures as low as -10°C
- Welds are separable by destruction only

Original moulded parts provide safety

Moulds as well as connectors and special membranes are the most critical part of the flat roof sealing. NOVOPROOF® moulded parts are prefabricated and tested in the factory so that, when the Thermofast® welding technique is professionally applied, a perfectly waterproof flat roof is realized.



The hot-air gun is suited for connectors and closures and for the integration of moulded parts.



Prefabricated moulds for the penetration of ducts.





Environmental protection included

NOVOPROOF® sealing sheets and the Thermofast® welding technique are environment-friendly. The recyclable EPDM synthetic rubber neither contains root poison nor volatile pollutants. The grey alternative NOVOPROOF® DA-G appears brighter and friendlier, but most of all it reduces the roof's surface temperature by approximately 20°C compared to a black roof. It reduces convection. In the directly adjoining building parts, the high degree of light reflection creates brighter rooms and better daylight conditions.



Easy handling for craftsmen

- Reliable technology
- No fire risk due to hot-air technology
- Installation possible at low temperatures
- Time-saving due to prefabricated sheets, membranes and moulds



For the application on site: Hot-air welding with the welding machine.

PRODUCTS FOR FLAT ROOF REFURBISHMENTS



NOVOPROOF® DA-S for the Refurbishment of Old Roofs

NOVOPROOF® DA-S is the ideal solution for safe and economic roofs.

- A thickness of 2.5 mm including the fleece back enables a reliable installation on uneven surfaces, timber facing, concrete, cellular concrete and cement flooring slabs.
- Applicable on roofs with abrasive surface areas.
- Old roof covers may remain on the roof when it is refurbished with NOVOPROOF® DA-S. No demolition and disposal costs.
- Favourable position stability and elasticity are reasons for application on high buildings with strong wind suction.

SIS installation system for photovoltaic systems

The refurbishment of flat roof constructions and lightweight hall roofs is often taken as an opportunity to install a photovoltaic system. The SIS (Solar Installation System) represents for instance one adequate system. In this construction, the mounting system of the photovoltaic system is led through the EPDM sealing sheet by using specially prefabricated sealing strips. The system solves the problem of heavy roof loads concentrating on single points by transferring the system's total weight into the roof construction, where it is statically well distributed. In order to get easy access to the roof sealing sheet, the SIS can quickly be removed.



Solar system with 319 Kw total output on 10,000 m² EPDM roof sealing sheets NOVOPROOF® DA-K.



All-embracing program for the refurbishment

All NOVOPROOF® sealing sheets and membranes are applicable for the refurbishment of roofs, terraces, balconies, parking decks etc.:

- NOVOPROOF® DA-K, roof sealing sheet for modern lightweight constructions
- NOVOPROOF® DA-G, light grey alternative for aestival heat insulation
- NOVOPROOF® SK, the advanced and fully self-adhesive EPDM sheet, of course with weldable joints
- NOVOPROOF® DA-P 13, factory-prefabricated roof sealing membrane for the quick and extensive sealing with superimposed load
- NOVOPROOF® DA-P 15, roof sealing membrane for all green roof systems and used roof surfaces
- NOVOPROOF® moulded parts and collars, time- and cost saving, tailor-made in the factory, thus safely installable



Installation methods

NOVOPROOF® DA-S

- Mechanical fastening on concrete, trapezoidal sheet metal and wooden roof structures
- Partial adhesion to the prepared surface
- Inflammation in weldable bitumen



The back side of the NOVOPROOF® roof sealing sheet DA-S is furnished with a robust strong-fleece lamination.

SERVICES FOR INCREASED SPEED AND EFFICIENCY



For Developers, Planners and Specialized Roofing Companies

Whether in person or via the Internet: Planning and ordering with DURAPROOF saves time, money and adds safety. We provide a complete material list, we put together and deliver all sheets and moulded parts necessary for the realization of the project.



The screenshot shows a website layout with a navigation menu on the left and a main content area on the right. The navigation menu includes: UNTERNEHMEN (with sub-items: Portrait, Qualität, Mitarbeiter, Referenzen), INNOVATIONEN, BRANCHEN, and PRODUKTE. Below the menu is a search bar and a list of links: BAUHERRN & ARCHITECTEN, HANDEL, KONTAKT, DOWNLOADS, IMPRESSUM. The main content area features a header with the company logo and a navigation bar. Below this is a large image of a modern building interior. The text below the image reads: 'Willkommen bei DURAPROOF (einem Unternehmen der SAARGUMMI Gruppe). Die Profis für moderne Produkte aus EPDM-Hochleistungskautschuk.' To the right of this text is a list of services: 'Hier finden Sie Informationen zu unseren NOVOPROOF® Qualitätsprodukten, made in Germany, wie zum Beispiel: • EPDM-Dichtungsbahnen und Dichtungsplänen für Flachdächer in Neubauten und Sanierungsobjekten • Dichtungsgewinne für Fenster, Türen und Tore • Wurzelschutzbahnen und Wurzelschutzplänen für Gründächer • Tischkanten und -planken für Wurzelschutz, Zierstriebe, Schienensteine, Golfplatzsteine, Regenrückhaltebecken, Deichabdichtungen • EPDM-Dichtungsbahnen und Dichtungstreifen für Fassaden • Flexible Abdichtungen im Verkehrsbau (Tunnelbau, Brückenabdichtungen u.v.m.)'.



Safety guaranteed in writing

NOVOPROOF® sealing systems own all licenses and certificates necessary for the application at the construction site. We can provide technical test and examination reports as well as declarations of conformity as follows:

- CE-certified according to EN 13956
- NOVOPROOF® sealing systems correspond to the German Flat Roof Guideline ("Flachdachrichtlinie")
- DEKRA test reports on long-term durability
- Test report on root resistance, issued by the Technical College Weihenstephan, Germany



Practical services offered by DURAPROOF

- Assessment and documentation of the actual condition of the existing cover
- Development of a refurbishment proposal
- Side measuring
- Proposals for tender details
- Support for architects and planners
- Calculations of wind suction
- Calculation of the fastening
- Installation plans, fastening plans
- Installation instruction
- Construction site management
- On time delivery to the construction site
- Site training and briefing
- Final acceptance inspection

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