

**Rhepanol® hfk. One roofing membrane for all applications in proven PIB quality.**



**Rhepanol® hfk**



*The material that makes Rhepanol roofing membranes so special: Polyisobutylene (PIB).*

## **Rhepanol waterproofing quality with polyisobutylene (PIB). Continuous product enhancement.**

### **The most versatile in our product range: Rhepanol hfk**

Rhepanol fk is well known to flat roof specialists around the globe. Why? Rhepanol has been rated the "oldest synthetic roofing membrane in the world", and it is not least for the numerous reference objects that it is regarded as the epitome of a long-term reliable flat roof. The high waterproofing performance is achieved by the use of polyisobutylene. This material provides for the strength and robustness of all **Rhepanol** system roofing membranes. This is also true for our product **Rhepanol hfk**. It is of the same high quality as fk, but, in addition, it is hot air weldable and significantly wider.

### **"h" like hot air weldable**

The synthetic roofing membrane is a further development of Rhepanol fk. Moreover, the novelty is already reflected in its name: **Rhepanol hfk**. The letter "h" indicates the hot air weldability. To this end, the membrane has a welding edge on one the side. Another feature of **Rhepanol hfk** is an already well-known strength of all Rhepanol products: bitumen compatibility. Thus, it is very well suited for application on old bituminous roofing.

### **Installation advantage: width!**

Enhanced membrane width provides for a quantifiable benefit of **Rhepanol hfk**. The standard width is 1.50 metres, on request, it is also available in 2.05 m, for example, for green roof areas. This means that a homogeneous waterproofing of large roof areas can be achieved in less time. The number of seams is considerably reduced, minimizing potential weak spots and saving time and expenses.

*When installing  
Rhepanol hfk the  
welding edge is of  
major importance.*



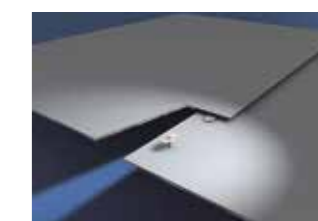


## Rhepanol hfk – ONE roofing membrane for ALL application methods.

### Rhepanol hfk – mechanically fastened with Gripfix system and at the membrane overlap

Mechanical fastening with the innovative Gripfix system and at the membrane overlap is possible with **Rhepanol hfk** on roofs at a slope of up to 20°. **Rhepanol hfk** can be mechanically fastened both with seam fastening and with the Gripfix system. Combining both fastening systems is also possible, for example, in perimeter and corner areas. Absolutely no need for less wide membranes or additional membrane strips. The membrane seams are securely joined by homogeneous hot air welding. Suitable for covering both old bituminous roofing and cold or warm roofs.

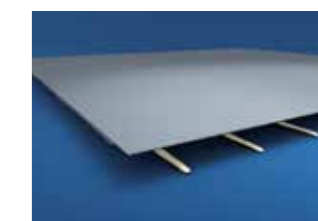
### High technological flexibility: Rhepanol hfk



Mechanical fastening.

### Bonded fixing

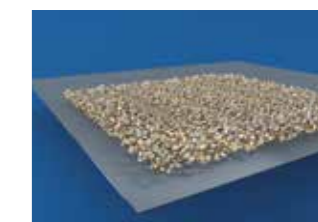
Bonding **Rhepanol hfk** in stripes ensures maximum possible mobility of the roofing membrane. The integrated, highly tear-resistant synthetic fleece of **Rhepanol hfk** allows diffusion, thus ensuring reliable vapour pressure compensation and secure bonding to the substrate. **Rhepanol hfk** is compatible with bitumen and can be applied without additional separation layers directly onto bituminous sheets. The integrated synthetic fleece protects the membrane against movement originating from the substrate.



Bonded fixing.

### Loose laying with ballast

By loose laying with ballast, **Rhepanol hfk** is separated from the other layers of the build-up across the complete area, also under green roofs. Movements and cracks in the supporting construction are not transferred into the roof sealing.



With ballast (balconies, terraces, gravel).



With green roof.

### Incredibly versatile

**Rhepanol hfk** provides designers and installers with additional design and application opportunities. Thanks to its outstanding material properties, the synthetic roofing membrane is suitable for any application requirements on the flat roof. **Rhepanol hfk** - one roofing membrane for all application methods, mechanically fastened, bonded and with ballast, also under green roofs. One for all, for roof slopes up to 20°.

### Plenty of fleece

**Rhepanol hfk** has a full-size synthetic fleece backing protecting the roofing membrane from below and ensuring dimensional stability. And what is more: The highly tear-resistant fleece on the underside of the membrane ensures practice-oriented application on any roof with the innovative Gripfix system.

### Refurbishment

The multifunctional versatility of **Rhepanol hfk** is also apparent when it comes to refurbishing old Rhepanol fk roofs. Roofing membranes of the Rhepanol h product range can be easily flashed against Rhepanol fk with welding edge by hot air welding. Thus, in any case, reparability of Rhepanol fk areas needing refurbishment is guaranteed.

#### QUICK-CHECK RHEPANOL HFK

- Long-term proven due to PIB
- Root/rhizome resistant according to FLL testing
- Innovative Gripfix system for practice-oriented application on any roof
- Compatible with bitumen
- Highly resistant to perforation
- EPD certified
- Free of plasticizers and halogen-containing fireproofing agents
- Suitable for use in drinking water systems
- Permanently resistant to UV radiation
- Hail resistant according to DIN EN 13583
- Compatible with all kinds of insulation materials
- Hot air weldable
- Compatible with all elements of the Rhepanol h product range
- Reduced number of seams due to 1.50 m membrane width, also in perimeter and corner areas



## Rhepanol hfk – the all-rounder for refurbishment.



Condominium Oberland,  
Rhepanol hfk, roof area:  
3,300 m<sup>2</sup>



Vivaldi roof painting, Dresden/  
Germany, roof area: 870 m<sup>2</sup>

The Rhepanol polyisobutylene-based (PIB) high-quality synthetic roof waterproofing is equipped with an integrated synthetic fleece as well as a prefabricated welding edge. With its specific raw material composition, the roofing membrane, with a width ranging from 1.00 m to maximum 2.05 m, can be utilised for almost any typical waterproofing project. Therefore, Rhepanol roofing membranes are employed for both refurbishment and first-time installation.

Flexibility at temperatures as low as minus 40 °C significantly facilitates material handling, and even in extraordinary weather the membrane features outstanding stability and durability. Within the roofing membrane system, it meets the requirements for resistance to sparks and radiant heat (hard roofing).

Due to their high-quality formulation, Rhepanol roofing membranes can reach an extremely long expected service life. The oldest Rhepanol reference roof has been installed as early as 1956 and is still watertight. Even after its useful life, our roofing membrane can be fully recycled.

With **Rhepanol hfk**, even no slope areas, ponding water or red algae are no problem. Due to its fleece backing, **Rhepanol hfk** is additionally protected against stresses originating from the substrate. Hot air welding is the most high-quality seam sealing technique for synthetic roofing membranes. **Rhepanol hfk** features highly reliable and simple weldability. Professionally welded, seams will be permanently waterproof.

FDT roofing membranes are particularly suitable for refurbishment, covering a wide range of application and offering a multitude of architectural design options. Thanks to our specifically designed Rhepanol roof paints, there are no limits for your choice of colours; also your company logo can be put on the roof area.



### System compatibility and system accessories

Another major handling advantage of the Rhepanol h system roofing membranes is the possibility of combining individual elements as required. It is understood that **Rhepanol hfk** features the same compatibility. The FDT accessories programme includes all the necessary details for a professional installation. Vapour barriers, protection and separation layers, tools, drainage components and homogeneous preformed details like corners and collars.

### Certification and sustainability

FDT makes every effort to ensure permanently high product quality - also with regard to its responsibility for the environment. The outstanding environmental profile of **Rhepanol hfk** provides impressive proof of this. The roofing membrane does not contain any plasticizers, halogens like chlorine, or heavy metals. Suitability for use on green roofs according to FLL is achieved without any substances preventing root penetration; **Rhepanol hfk** is even suitable for use in drinking water systems.

Being Europe's top manufacturer of synthetic roofing membranes, we regard regular third-party audits of our products as a matter of course. The Environmental Product Declaration certification is just one proof of our endeavour and commitment.

### Top drainage: the FDT rainwater outlet VarioGully



The modular system for enhancing flat roof reliability.



Safety at every step:  
**Rhepanol walkway tiles.**



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