

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



Rhepanol® hfk
Rhepanol® hfk-sk



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

When installing Rhepanol hfk and hfk-sk the welding edge is of major importance.

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

The most versatile in our product range: Rhepanol hfk and Rhepanol hfk-sk

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 newly developed products **Rhepanol hfk** and **Rhepanol hfk-sk**. They are of the same high quality as fk, but, in addition, they are hot air weldable and significantly wider.

“h” like hot air weldable

The new synthetic roofing membranes are a further development of Rhepanol fk. Moreover, the novelty is already reflected in their name: **Rhepanol hfk** and **Rhepanol hfk-sk**. The letter “h” indicates the hot air weldability. To this end, the membranes have a non-fleece or adhesive-free welding edge on the side. Another feature of the newcomers is an already well-known strength of all Rhepanol products: bitumen compatibility. Thus, they are very well suited for application on old bituminous roofing.

Installation advantage: width!

Enhanced membrane width provides for a quantifiable benefit of **Rhepanol hfk** and **Rhepanol hfk-sk**. The maximum width is 1.50 metres. This means that a homogeneous waterproofing of large roof areas can be achieved in less time. The amount of seams is considerably reduced, minimizing potential weak points and saving time and expenses.



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.

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.

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 fire-proofing 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 amount of seams due to 1.50 m membrane width

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 unused 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.

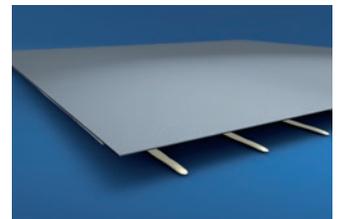
High technological flexibility: Rhepanol hfk



Mechanical fastening

Bonded fixing

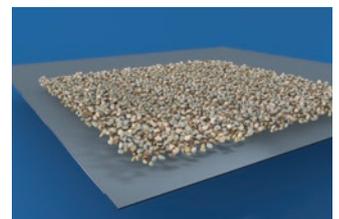
Bonding **Rhepanol hfk** in stripes ensures maximum possible mobility of the roofing membrane. The integrated, highly tear-resistant synthetic fleece of **Rhepanol hfk** allows diffusion, thus ensuring reliable vapour pressure compensation and secure bonding to the substrate. **Rhepanol hfk** is compatible 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.



Rhepanol hfk: 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.



In practice, frequently used on balconies and terraces.



Root/rhizome resistant according to FLL testing.



*Put the membrane in place, remove the release film – done!
This is how it works: the practical self-adhesive roofing membrane Rhepanol hfk-sk.*

**Self-adhesive:
Rhepanol hfk-sk**

The missing element in the range of FDT waterproofing products: a self-adhesive roofing membrane. **Rhepanol hfk-sk** is the perfect complement. **Rhepanol hfk-sk** is based on the same unique polyisobutylene formula like all **Rhepanol** system membranes, adding value to any flat roof and provably extending its service life. Another typical feature of **Rhepanol hfk-sk** is the easy-to-handle membrane width of 1.50 m. However, its main advantage is its full-size self-adhesive functionality. How does it work? **Rhepanol hfk-sk** is equipped with a synthetic adhesive compound coating at the lower side. A protective release film is attached to it to cover it until installation. **Rhepanol hfk-sk** can be applied to unbacked EPS rigid foam boards, bituminous sheets and many more substrates (with primer, if required) – notably without open flame. The quick and simple installation of the roofing membrane is completed by hot air welding the seams at the adhesive-free welding edge at the side.

**Rhepanol hfk-sk:
integrated fire protection**

Rhepanol hfk-sk gives you a good feeling of safety. Fire safety is achieved by means of a factory-integrated fire-retarding layer in the roofing membrane.

**QUICK-CHECK
RHEPANOL HFK-SK**

- Long-term proven due to PIB
- Compatible with bitumen
- Highly resistant to perforation
- EPD certified
- Free of plasticizers and halogen-containing fire-proofing agents
- 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 product range
- Reduced amount of seams due to 1.50 m membrane width

Rhepanol® hfk-sk rolls out a completely new strength. It is simply self-adhesive.



Rhepanol hfk-sk can do what others cannot: adhering without open flame.

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** and **Rhepanol hfk-sk** feature the same compatibility. The FDT accessories programme includes all the necessary details for a professional installation, i. e. primers, tools, drainage components and homogeneous preformed details like corners and collars.

Top drainage: the FDT rainwater outlet VarioGully



The modular system for enhancing flat roof reliability.

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.



Safety at every step:

Rhepanol walkway tiles.

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 for our complete product range is just one proof of our endeavour and commitment.



**FlachdachTechnologie
GmbH & Co. KG**

Eisenbahnstrasse 6-8
68199 Mannheim
Germany

Tel +49-6 21-85 04-0
Fax +49-6 21-85 04-2 05
www.fdt.de

Export Department:

Phone +49-6 21-85 04-3 72

Fax +49-6 21-85 04-3 78

E-Mail export@fdt.de