



# QUALITY MADE IN GERMANY



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## HASSE green-roof-systems

By means of planting vegetation on roof areas, the underlying sealing layers are no longer exposed to extreme weather conditions thereby considerably increasing their longevity.

Roof vegetation stores rain water and delays the wastewater load of sewage systems while simultaneously benefiting the climate and the air we breath.

Whether extensive or intensive roof vegetation, Hasse & Sohn offers a complete system solution tailored to suit your roof project.



## Kubidritt®

Roofs are constantly exposed to the elements. Depending on the building's location, different demands are made of the roof sealants. The preservation and appreciation of value constitute the basis for high-calibre roof sealing for the long term thanks to Kubidritt Classic, Kubidritt Plus or Kubidritt XLP.

Kubidritt roof sealing systems have defined quality benchmarks and have already been installed on millions of square meters of roofs. Security against extreme cold as well as the influence of intense heat is provided with Kubidritt.

Even after 25 years of natural aging, Kubidritt entices with its extraordinary technical parameters. As part of a system featuring high-calibre refined plastics, Kubidritt is installed as a multi-layer roof system with the underlying sheeting Kubipren. The Kubidritt roof system represents premium quality made in Germany.



## HASSE steep-roof-systems

Modern architecture and changing climactic conditions demand cost-effective solutions on the one hand and on the other, more effective spatial concepts in order to ensure maximum utilisation of living space.

As such, there is also greater interest in completely integrating attic levels in living areas. The benefits of our over-rafter insulation systems come into play here. A considerable gain in the quality of living coupled with the simultaneous optimisation of energy savings are the result of this insulation technology.

The boarding visible in the room is left open for further design options.

## Kubidritt® renovation sheeting

The renovation of existing roof surfaces requires particular attention to detail. Moisture is contained in the existing roof construction, which must be taken into consideration when resealing the surfaces. The moisture vaporised by direct sunlight also requires sufficient space for compensation.

Kubidritt renovation sheeting is provided factory-side with a vapour pressure balance layer. This layer ensures the orderly distribution of the water vapour between the old sealing and the new sealing layer. The full-area welding of the seam and superior areas thereby guarantees a full-area sealing layer.

Kubidritt renovation sheeting satisfies the same high quality standards as premium sheeting.



## Poured asphalt Our speciality for more than 100 years

Installed in a flash, useable within mere hours while at the same time free of water, dry, and walk-on warm, abrasion proof, and dust-free. These represent the most significant qualities of our hard poured asphalt screeds.

Hard poured asphalt is ideal for industrial and commercial surfaces, residential construction, parking garages and productive livestock stalls. Combinations featuring floor heating are also possible without complication.

Based on its lack of air pockets, it is absolutely impermeable for liquids and boasts exceptional damping properties.



## KUBILAN & KUBILAN SK/SN

Depending on the building and roof requirements, sealing systems may also be applied in one layer. For roof constructions with a pitch of > 2 percent, the high-calibre single-layer sealing Kubilan represents a system specially developed for such demands.

The economical installation directly on top of thermal insulation by means of cutting-edge fixing or self-adhesive technology saves costs for installers and builders alike. Kubilan is environmentally sound and guarded against hailstorms thanks to the integration of impact-resistant materials.

Kubilan combines surpassing quality with considerable cost-effectiveness.

## Over 135 years of experience on the roof

### TRADITION COUPLED WITH CONSTANT ADVANCEMENT

Founded in 1872 as a manufacturer of roof sheeting, Hasse & Sohn continues to be family-owned today. As a developer and manufacturer of innovative product solutions for high-calibre roof and sealing systems, hard poured asphalt, and building-chemical products, we have coined brands, whose names are now synonymous for entire fields of application.

Already in 1900, we were one of the first companies to promote the development of tar-free roof sheeting.

Our expertise in the development of elastomer-bitumen sheet material is unprecedented. More than 30 years of experience and technological advancements are combined in our premium product **Kubidritt®**. Today, millions of square meters of permanently-sealed flat roofs are a testament to the concept of flat-roof safety for our products.

The success of our products draws on their integration in complete systems. The interplay of the individual layers provides, among other things, functional and processing safety for planners, processors, and builders. **A long life-cycle free of subsequent costs are the ace in the hole of the Kubidritt roof systems.**



(trademark in 1900)

### HASSOLIT FK & HASSOLIT FK Color

The sealing of buildings should protect them against the influence of the elements and moistures. In particular, junctions and points of penetration such as storm drains and outlet vents have to be permanently sealed.

With the liquid plastic system **Hassolit FK**, caulking occurs in liquid form, in which a special fleece is embedded for reinforcement. The surface coat is UV-stable and available in various colours. Adjustment to existing building colours is possible as well as an expansion of use as a terrace or balcony cover.

The high flexibility of the liquid plastic and easy application to junctions and points of penetration make **Hassolit FK** an ideal companion for any construction site.



### Hasse PU foam adhesive

Insulation is installed on existing roof superstructures or vapour barriers without thermal strips by means of special adhesives.

The **Hasse PU foam adhesive** is a wet hardening single-component roof adhesive, which is applied by means of a portable pressure tank not requiring an external power source.

Thanks to a connected application gun, a much higher speed of installation can be achieved in comparison to conventional coats, which in turn corresponds to savings in labour time totalling up to 30 percent.

The extremely high adhesive strength makes a wide range of applications possible, among other things, on vertical surfaces.

### Our product portfolio:

- **Kubidritt®** Sealing systems (premium quality for flat roofs)
- Green-roof systems (roof vegetation)
- Steep-roof systems (over-rafter insulation)
- Self-adhesive systems (e. g. **KUBIVENT**, **HASSOPREN**, **KUBIPREN**)
- **HASSOLAN** self-adhesive vapour barrier sheeting
- **Kubidritt® slim-roof-system** with **HassoVAC**-special insulation – the solution for absent height connections
- **KUBILAN** single-layer sealing (bituminous)
- **HASSOLIT FK** liquid plastic
- **HASSOPLAN** single-layer sealing sheeting
- **HASSODRITT** welding and sealing sheeting
- Insulation for flat and steep-roofs
- **HASSOTHEN** construction sealing SK
- **HASSEROL** building chemicals for structural and civil engineering
- Hard poured asphalt screed in structural engineering
- Installation equipment, flat-roof equipment

## KUBIVENT SN

Generally, dual layer sealing of flat roofs is recommended. For the use of thermal insulation, the sealing layer must be connected with the base by means of modern self adhesive technology.

Kubivent SN is, as the first sealing layer, provided with self-adhesive strips, with a vapour pressure balancing feature on its underside. This guarantees the orderly distribution of any moisture, which may be accumulating. A large portion of high-calibre elastomer plastics contributes to long-term impermeability while preserving the building's value.

When combined with the premium sheeting Kubidritt as a top layer, the construction is sealed for the long term with two layers.



## HASSODRITT VAPOR-therm

Sealing solid concrete bases is also possible by means of a welding process in addition to the self-adhesive technology. For the use of insulation in residential buildings, Hassodritt Vapor-therm is installed as a vapour barrier by means of a welding procedure.

Following thermal activation, the insulation is bonded to the thermal strips, which have been applied factory-side to the top side of sheeting.

Any further use of adhesives is not necessary. With the vapour barrier value  $SD > 1500$  m, moisture is prevented from penetrating the insulation. Elastomer impact materials in Hassodritt Vapor-therm guarantee compensation for shifting in the building's structure.

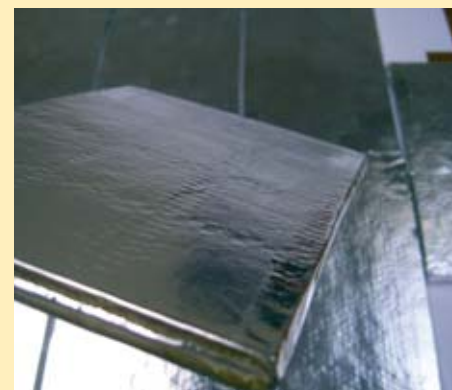


## KUBIPREN SN & HASSOPREN SN

Thermal insulation materials are covered with the first sealing layer using self-adhesive technology. Kubipren SN and Hassopren SN are sealing layers, which are provided with a self-adhesive coat across the entire underside and with the application of the top-layer sheeting, protect the thermal insulation from heat damage.

With the thermal welding of the seams and joints, the function of an emergency sealant is provided. Kubipren SN is particularly well-suited, based on its greater thickness of 4.0 mm, for protecting heat-sensitive thermal insulation materials.

Together with the top-layer sheeting Kubidritt, both sealing layers constitute a high-calibre composite from the environmentally-sound building material bitumen.



## Kubidritt® slim-roof-system

Energy savings in conjunction with environmentally-sound energy gains is of increasing significance as hazardous CO<sub>2</sub> poses a growing threat to the environment. The development of innovative thermal insulation systems is our number one priority.

The special HassoVAC insulation in the Kubidritt slim-roof-system with a thermal conductivity grade of 0.008 to 0.011 W/mk is based on vacuum technology, with which the movement of thermal particles in the air is inhibited considerably.

This insulation, used among other things in aerospace, is made to measure and installed in a system composed of high-calibre sealing materials, which features at least two layers.

## HASSOLAN

Saving energy is gaining increasing importance as resources diminish. The resulting necessity for the use of insulation in residential buildings requires the installation of a vapour barrier. The Hassolan family is based on installation using self-adhesive technology.

On bases comprising of steel trapezoidal profiles or concrete, Hassolan, Hassolan SN, Hassolan Duo or Hassolan SN-therm are installed for various applications. On bases consisting of planning, Hassolan SN-H is installed and secured mechanically. The factory-side integrated vapour barrier layer prevents the migration of water vapour into the insulation.

With Hassolan as variants with a safety seam (SN), seams and joints are furthermore activated thermally, whereupon the possibility of emergency sealing is provided.



## Hasse Neopor

On the basis of intensive research, the further development of polystyrene, known for years as an insulating material, led to the introduction of Hasse Neopor. Hasse Neopor is manufactured from expandable polystyrene granulate. By means of a new innovative technique, it has become possible to considerably improve the thermal insulating capacity of the foam plates by up to 25 percent in comparison to conventional polystyrene.

While employing the same materials, remarkably enhanced insulation performance is achieved. Hasse Neopor is manufactured as a flat-roof slab or slope insulation slab.

Due to a high compressive strength of up to 200 kPa, Hasse Neopor may also be employed for usable roof areas. The use of Hasse Neopor saves energy while relieving your wallet and the environment.

