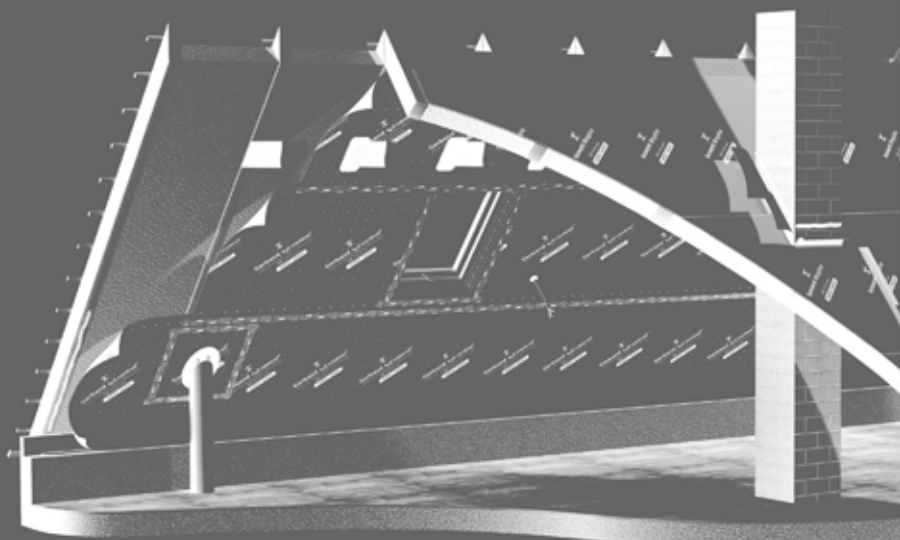


Gerlinger



Klebeband



Airtight. Windtight.

Products for the building shell

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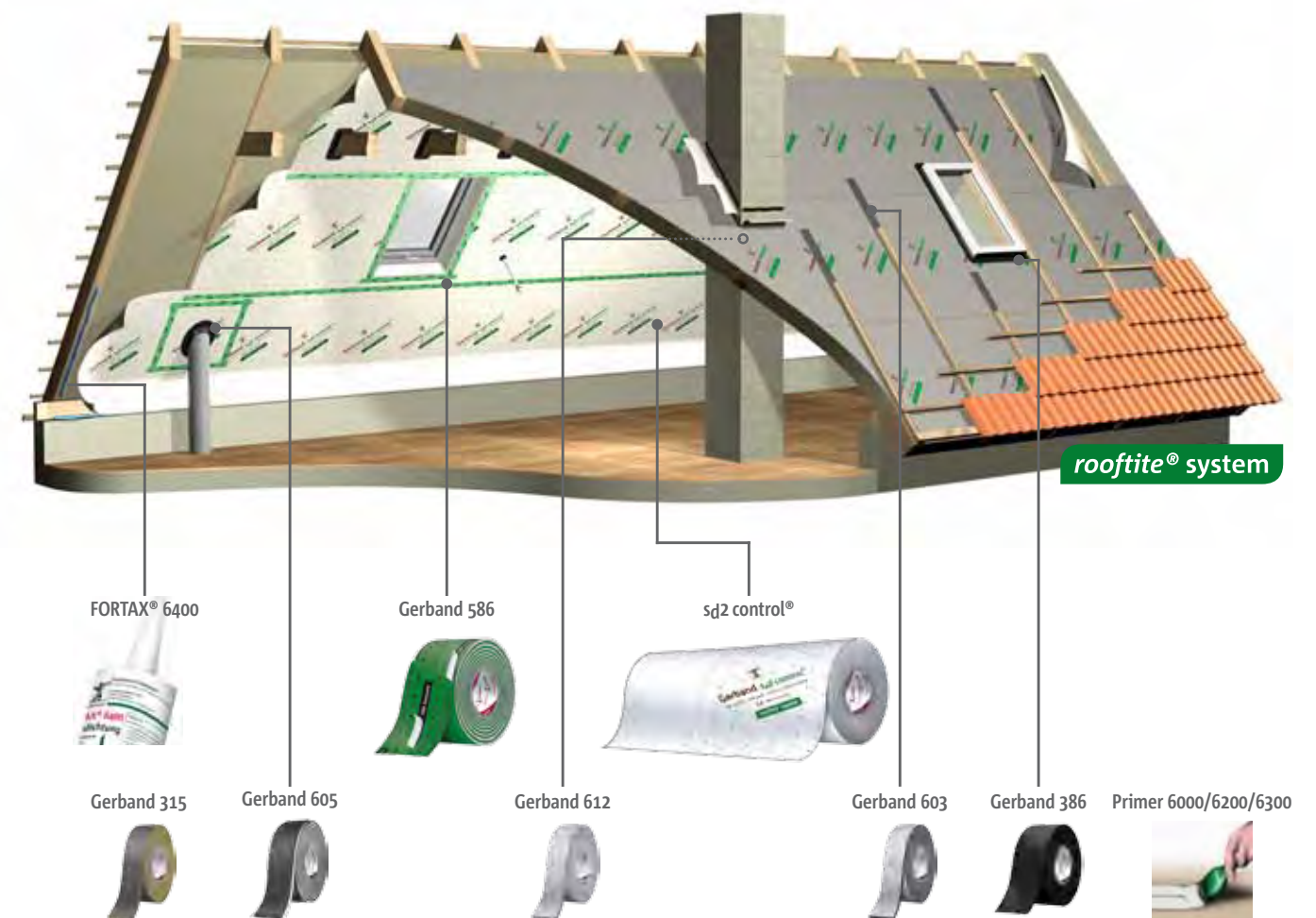
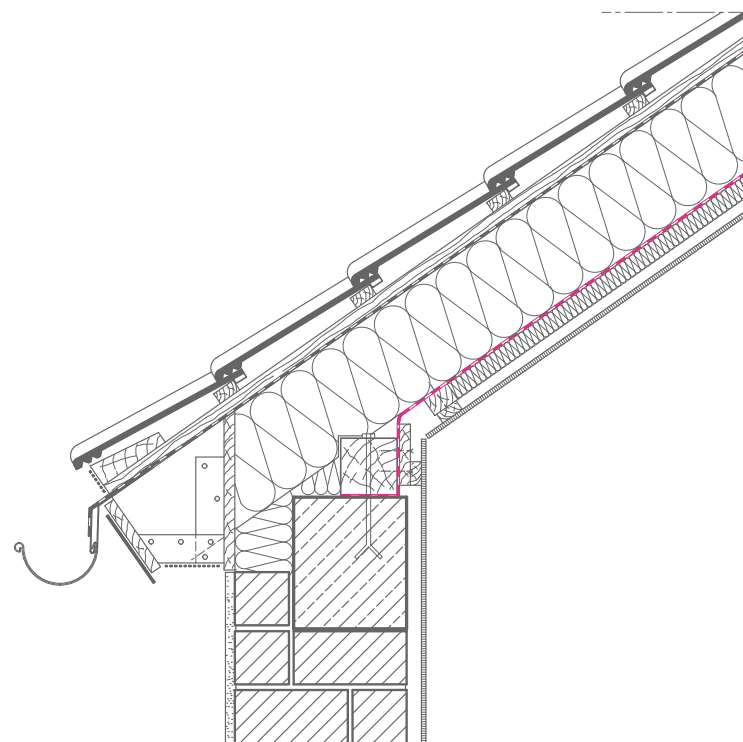
Why build airtight?

The second part of the building shell keeps warm and dry

A building has to be airtight as soon as you start heating it. In general, this is being achieved with vapour barriers or innately airtight building material. Dogmata like “houses deal with moisture by breathing” are refuted long ago even though literally there is a grain of truth in that saying. Mostly, this is referred to the ability of masonries or plastered walls to regulatory hold humidity. This buffering generally only happens in the outer layers of a wall and strongly depends on the plaster. Air exchange through the wall does not occur.

Wooden roof and wall constructions have similar characteristics as masonry and plastered walls however the ability to store humidity is much higher. But the more humidity is stored, the less is the ability to insulate. Therefore, it has to be prevented that warm and humid interior air flows outside through the wall. If air permeates through joints from the warmth to colder areas of the roof the humidity condensates excessively to water. That's the beginning of structural damage as e.g. mould formation or dry rot. In that case, the insulation becomes useless since the warmth leaves the house with the air.

It is possible to use the limited storage ability of wooden constructions but only when it is ensured that the humid air which has been hold during winter will be removed securely and fully during summer. With the following Gerband® adhesive and sealing products you are able to achieve this – all in terms of a healthy, comfortable, and nontoxic indoor climate.



FORTAX® 6400 bonds vapour barriers and films of PE, PP, and aluminum as well as nonwoven composites onto surfaces made of rock, concrete, plaster, and wood.



Gerband sd2 control® is installed in the interior as vapour barrier according to DIN 4108. It meets the requirements of the Energy Saving Ordinance (EnEV) and is equally used in new construction and retrofitting.



FORTAX® 6400

Adhesive sealant for dry and wet bonding

Airing time is outdated. With this solvent-free adhesive sealant based on acrylate you can either bond directly “in the wet bead” or after a short drying time on the self-adhesive sealing bead. In this way, vapour barriers are bonded on the structure conforming to the DIN 4108 code. Due to the permanent flexibility building structure movements will be reliably absorbed – long-lasting sealing is assured.



Gerband sd2 control®

Two-way vapour barrier

The vapour barrier is the core of the roofrite® system. Having a fix sd-value of 2 meters the product is capable of two tasks: during winter it reliably prevents diffusion of interior humidity into the roof construction whereas during summer it allows for back-diffusion from the insulation as well as the wall and roof construction. This permits a faster dehumidification of the entire building construction during summer.



Gerband 586 hermetic handles airtight bonding at overlaps and penetrations of vapour barriers according to DIN 4108 quickly, hassle-free, and permanently.



Gerband 586 hermetic

Adhesive tape used for sealing of airtightness layers

With the PE airtightness tape Gerband 586 hermetic permanent bonded joints and overlaps are no magic. This very pliant PE-film tape with high-performance acrylic adhesive has been especially developed towards two characteristics: extremely high adhesion power and outstanding ageing resistance. Furthermore, Gerband 586 hermetic is cold resistant. A strand-woven fabric strengthens the tape and prevents possible overexpansion during application.



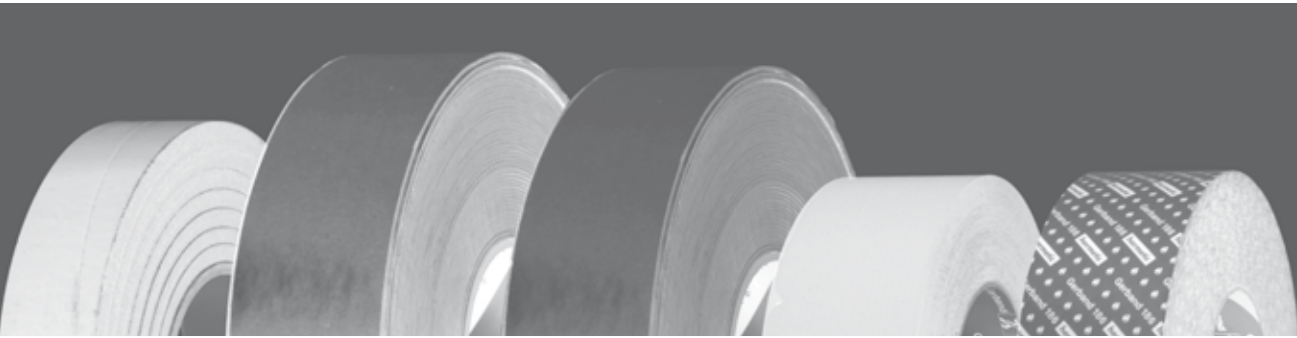
Preparation: primer.

Basis for strong bonding



On porous, absorbing, and dusty surfaces permanently strong bonded joints are not possible due to adhesives being surface-active. This means that sooner or later it will peel off with the loose layer from the surface. To prevent this, the surface has to be solidified and filled with a primer.

A prime coat with Gerband primers usually improves adhesive bondings, however they are not necessary for flat, closed, and clean surfaces.



Gerband 315 impregnated, self-expanding sealing foam-tape

- Pre-compressed, self-expanding
- Perfect for sealing and backfilling seams and joints
- Driving-rain proof acc. to DIN EN 1027 up to 600 Pa; flame resistant acc. to DIN 4102-1 class B1



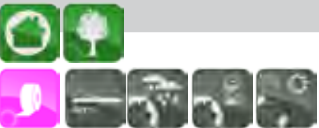
Gerband 386 nonwoven adhesive tape for sheeting underlay membranes

- For bonding and repairing sheeting underlay membranes
- Sticks very fast on nonwoven and film surfaces
- Extra-strong adhesive for good tack on difficult-to-bond sealing membranes





Gerband 603 screw and nail sealing tape

- Reliable sealing of screw threads and nail shafts
- Compensates smaller unevenness on surfaces
- Provides uniform contact pressure





Gerband 605 universal sealing collar off the roll

- For joining almost all geometries to the airtight layer
- Seals reliably metals, wood, and plastics as well as brick  and clean concrete surfaces 
- Offers great time savings compared to conventional products



Gerband 612 tape for plastered joints

- For pasting over sealing seams and joints in construction
- Suitable for bonding on wood, plastic, brick  and clean concrete surfaces 
- Paint and plaster sticks well to PP-nonwoven carrier



Gerband 186 airtightness adhesive tape

- Made of moisture-repellent, PE-coated special paper
- For bonding overlaps of vapour barrier boards and joints of OSB boards
- Tearable by hand



Primer 6000 solvent-based prime coat

- For masonry, concrete, wood, and metal
- Significantly improves adhesion of butyl-rubber tapes
- Fast drying even in the cold



Primer 6200 solvent-free prime coat

- Especially for soft timber-fiber construction materials
- Dries quickly, efficient usage
- Applicable on slightly moist surfaces

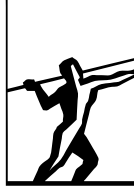


Primer 6300 solvent-free prime coat

- For wood, wooden construction materials, masonry, and concrete
- Apply with a brush, dries quickly, efficient usage
- Applicable on slightly moist surfaces



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Klebeband



Adhesives and sealants are our passion for many decades. Right from the beginning, we have been incited by the search of improvements which has significantly influenced the continuous expansion of our product range.

Sticks since 1961.

Traditionally reliable

With trend-setting developments, we take a leading position in the field of pressure-sensitive adhesives and we are a long-term technological partner of many well-known companies. Gerlinger products are predominantly produced at our sites in Germany.

As a family-owned company of the German "Mittelstand" we profit from short decision-making processes and fully respond to the requirements of our customers. Moreover, we research based on our own targets and visions. We develop coherent concepts, intelligent technologies, and individually tailored process solutions with a result that is consistently above the norm.

Gerlinger products are being used in endless technical and industrial areas. The requirements our products have to fulfill are extremely diverse. This means that it is necessary to check the applicability of the product for the user-specific purpose before appliance. All statements, hints, and recommendations are without engagement. Technical data is subject to change without prior notice.

All mentioned chemical, physical, and application-technical details of Gerlinger products are being made based on our own examinations and experience. All test results are averages.

Gerband® is a registered trademark of Gerlinger GmbH & Co. KG.

Additional information on all products is available on the respective technical data sheets. Each business is based on our sales and business conditions. You can download them from our website www.gerband.de.

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