

Note on English translation / Hinweise zur englischen Fassung

This is a translation of the product data sheet valid in Germany.

All stated details and properties are in compliance with the regulations of the German standards and building regulations. They are only applicable for the specified products, system components, application rules, and construction details in connection with the specifications of the respective certificates and approvals.

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Floor Systems

F457.de

Product Data Sheet

2020-09



Katja Sprint Abdichtungsbahn sealing membrane

Self-adhesive sealing membrane for water-proofing against ground moisture

Product description

Katja Sprint Abdichtungsbahn sealing membrane is a sealing membrane made of polymer bitumen with glass fleece and aluminium layer, coated with polyethylene on both surfaces. It is 32 m long and 1.25 m wide. The long edges are each equipped with a self-adhesive strip (top or bottom).

Storage

Store rolls upright.

Protect from direct sunlight and high temperatures.

The shelf life is 9 months.

Quality

In compliance with EN 13963, the product is subject to initial type testing and continuous factory production control and bears the CE marking.

Properties and added value

- Very high s_d value (≥ 1500 m)
- Self-adhesive and self-sealing
- Fast, easy to lay
- Adapts easily to the substrate
- High yield per roll
- Low thickness (approx. 0.9 mm)
- High mechanical loading
- No solvent welding agent or naked flame required
- Radon tight
- Low emission (tested acc. to AgBB)

Field of application

Katja Sprint Abdichtungsbahn sealing membrane is only suitable for interior floor applications and not for sealing against fluids applied from above.

Sealing measures in conjunction with timber construction acc. to DIN 68800.

Katja Sprint Abdichtungsbahn sealing membrane is used as

- Water-proofing against ground moisture on floor slabs with soil contact
DIN 18533-1: Water action class W 1.1-E (DIN 18533-1) and W 1.2-E (German National Technical Test Certificate)
- Sealing against Radon gas on floor slabs with soil contact
- Sealing of floor slabs between storeys (no wood joist ceilings) above rooms with high levels of air humidity
- Sealing membrane against residual moisture of concrete slabs

Certificate of Usability

DIN 18533-1

German National Technical Test Certificate (abP) P-SAC 02/5.1/14-101/1

Application

Substrate and pretreatment

The substrate must be swept clean and be free of unevenness.

Application

Roll out membranes and lay them with 10 cm overlap at long and front joints. Glue long joints by removing both foil strips and firmly pressing both membranes together at the joint.

Seal front joints by applying self-adhesive connector tape. Connections to rising constructional components can also be established with the Katja Sprint Anschlussstreifen connector tape.

The adhesive power increases with time and load resulting in a solid and tight connection.

In case of low temperatures, the adhesion force development can be accelerated by the use of a hot air gun.

Application in the wall area

The Katja Sprint Abdichtungsbahn sealing membrane is applied to the moisture barrier so that there is no capillary water transport (e.g. via plaster bridges) at the connection that could cause damage (DIN 18533-1, 8.8.3.3). This is the case, e.g. when the sealing membrane overlaps with the moisture barrier and there are no moisture bridges resulting from mortar remnants, or similar. Further proven configurations that are not absolutely necessary are, e.g.:

- In case of moisture barrier on the first brick layer
Apply sealing membrane up to the upper edge of the flooring,
- In case of moisture barrier on the floor slab
Glue the Katja Sprint Abdichtungsbahn sealing membrane to the moisture barrier of the wall using Katja Sprint Anschlussfix or Katja Sprint Anschlussstreifen connector tape. Alternative: Apply the sealing membrane in the same way as with the masonry moisture barrier by pulling it up to the first brick layer.

Radon tightness

Katja Sprint Abdichtungsbahn sealing membrane is radon tight. In order to meet the requirements for radon tight sealing, e.g. for a cellar, the connections to the wall moisture barrier or other components have to be air tight. For this purpose and depending on the component you can use Katja Sprint Anschlussstreifen connector tape or Katja Sprint Anschlussfix adhesive.

Application temperature / climate

The application temperature may not be below +5 °C.

References to other documents

Product data sheet [Katja Sprint Anschlussfix adhesive; F458.de](#)

Product data sheet [Katja Sprint Anschlussstreifen connector tape; F459.de](#)

Technical data

Description	Standard	Unit	Katja Sprint Abdichtungsbahn sealing membrane
Roll weight	–	kg	36 – 39
Roll width	–	m	approx. 1.25
Roll length	–	m	approx. 32
Weight per unit area	–	kg/m ²	approx. 0.9
Thickness	–	mm	approx. 0.9
Flow resistance at elevated temperature:	–	°C	+100
Stress-strain behaviour			
Max. tensile strength longitudinal		N/50 mm	≥ 400
Max. tensile strength lateral	EN 13969	N/50 mm	≥ 280
Elongation with max. tensile force longitudinal	EN 13970	%	≥ 2
Elongation with max. tensile force lateral		%	≥ 2
Strength of joint seam			
Shear strength longitudinal	EN 13969	N/50 mm	≥ 160
Shear strength lateral	EN 13970	N/50 mm	≥ 160
Flexibility at low temperature	EN 13969 EN 13970 EN 14967	°C	≤ -20
Reaction to fire	EN 13969 EN 13970 EN 14967	Class	E
Water vapour permeability	EN 13970	m	1500

Material requirement and efficiency

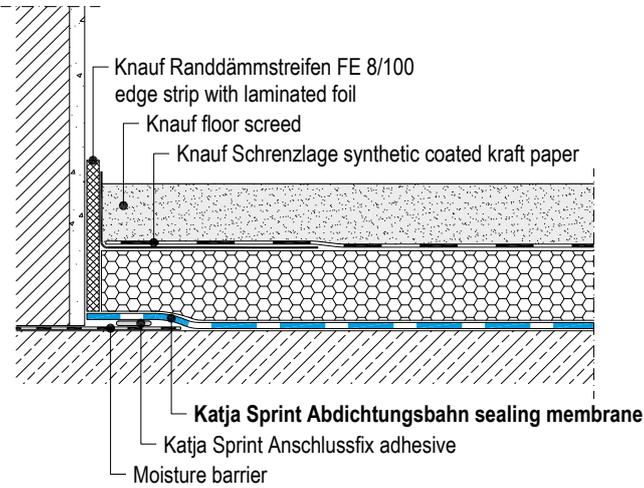
Description	Consumption	Efficiency
Katja Sprint Abdichtungsbahn sealing membrane	approx 1.08 m ² per m ²	approx. 37 m ² per roll

Construction examples

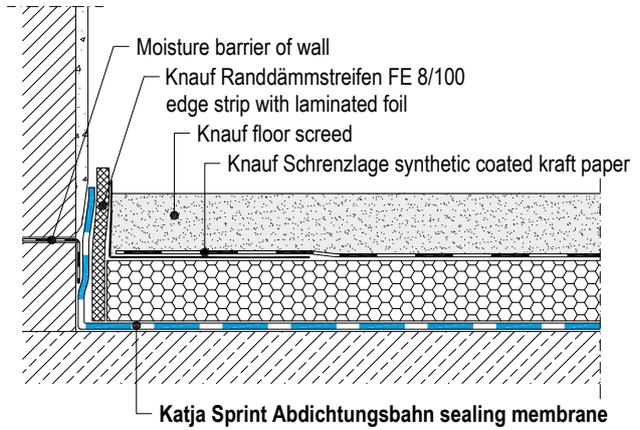
Scale 1:5

Connections to walls

F457.de-V1 Moisture barrier on floor slab

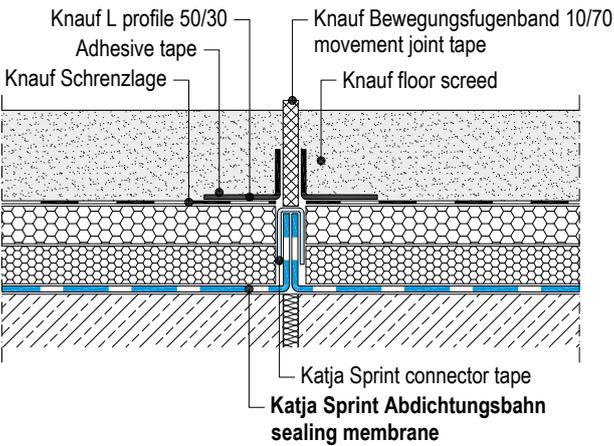


F457.de-V2 Moisture barrier on first brick layer

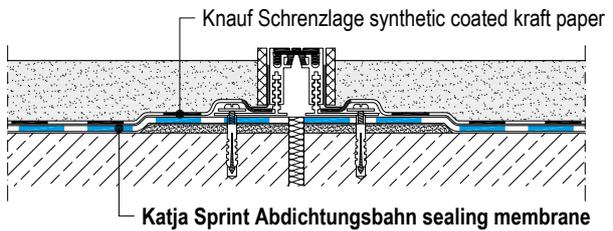


Movement joints

F457.de-V3 Screed on insulation layer

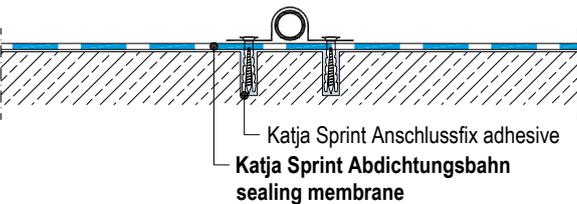


F457.de-V4 Screed on separating layer with heavy load profile

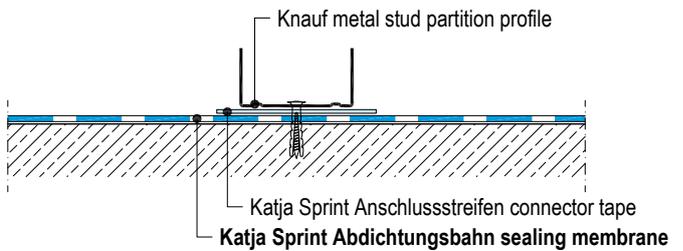


Anchors

F457.de-V5 Pipe clip on basic floor



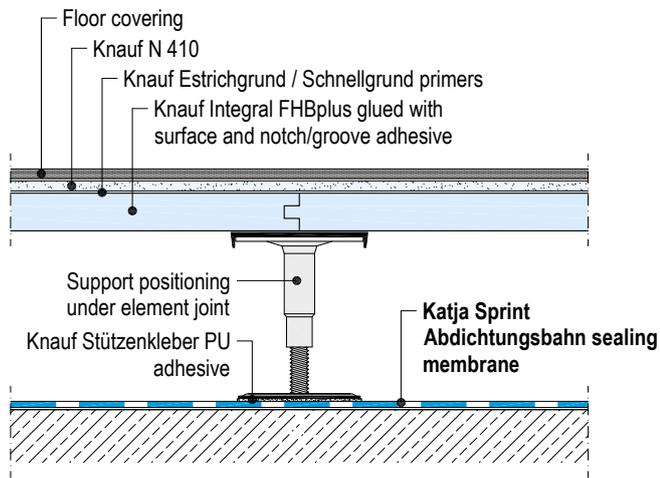
F457.de-V6 Metal stud partition runner on basic floor



Construction examples – (continued)

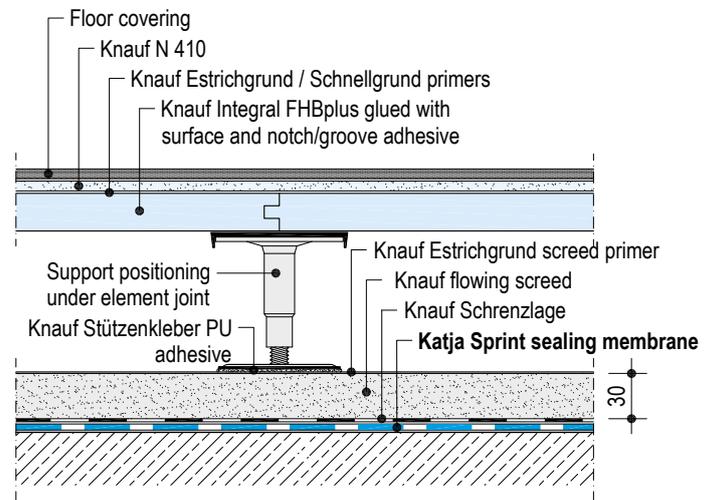
Under raised access floors

F457.de-V7 Sealing under raised access floors



Scale 1:5 | Dimensions in mm

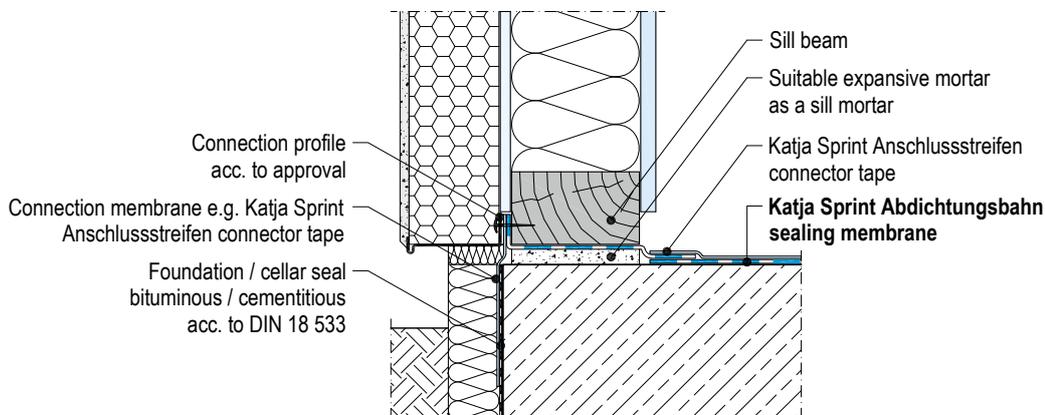
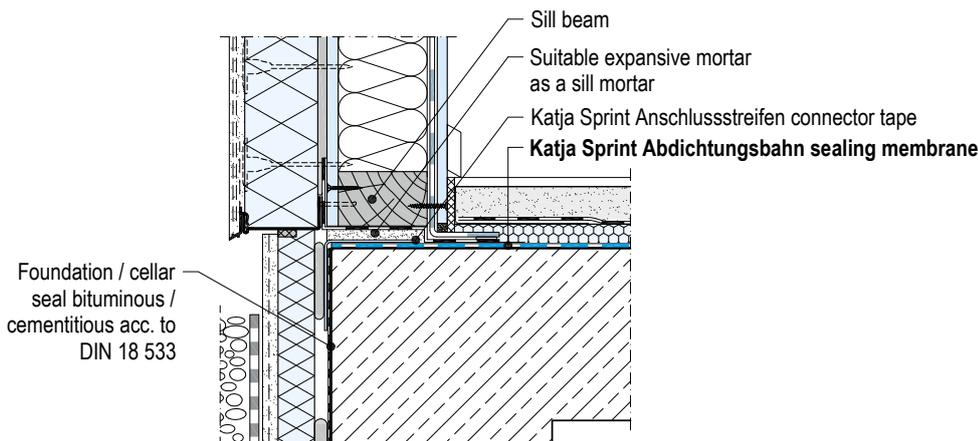
F457.de-V8 Sealing under raised access floors



Plinth connections

Structural wood frame panels

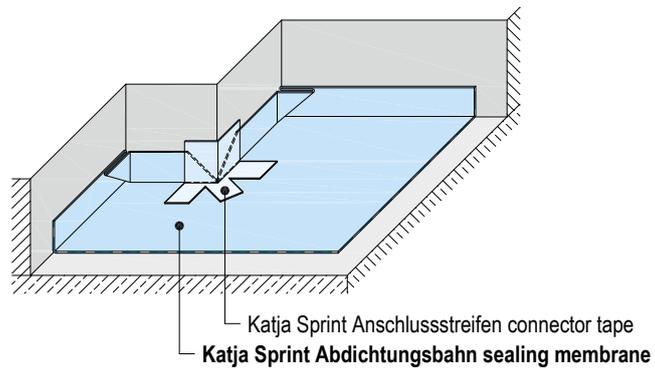
Scheme drawings



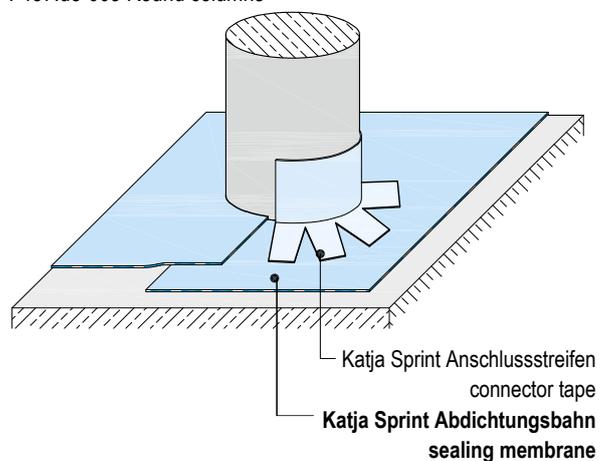
The expansive mortar base can be omitted should the substrate and wall construction not have any burrs, contamination or similar that can damage the Katja Sprint Abdichtungsbahn sealing membrane.

Connections

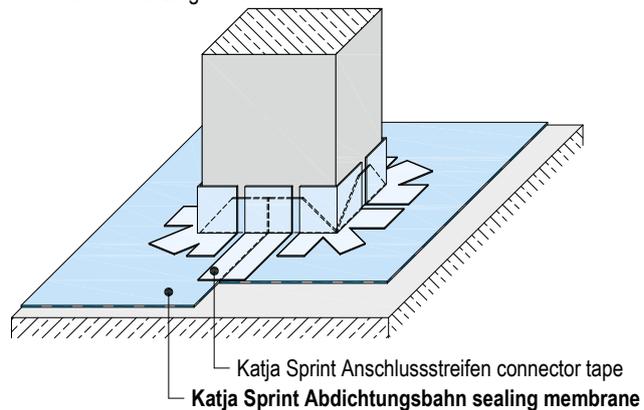
F457.de-001 Protruding and recessed corners



F457.de-003 Round columns



F457.de-002 Rectangular columns



Product range

Description	Application	Packaging unit	Material number	EAN
Katja Sprint Abdichtungsbahn sealing membrane	40 m ²	20 rolls/pallet	0082044	4003982191281

Accessories

Description	Application	Packaging unit	Material number	EAN
Katja Sprint Anschlussstreifen connector tape	15 m	60 rolls/pallet	00039929	4003982149329
Katja Sprint Anschlussfix adhesive	310 ml	20 pieces/carton	00468506	4003982316578

Sustainability and environment

Short description	Unit	Value
Requirements of the German AgBB-scheme	–	fulfilled



Observe safety data sheet!

For safety data sheets and CE marking see
pd.knauf.de



Videos for Knauf systems and products can be found under the following link:

www.youtube.com/knauf



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