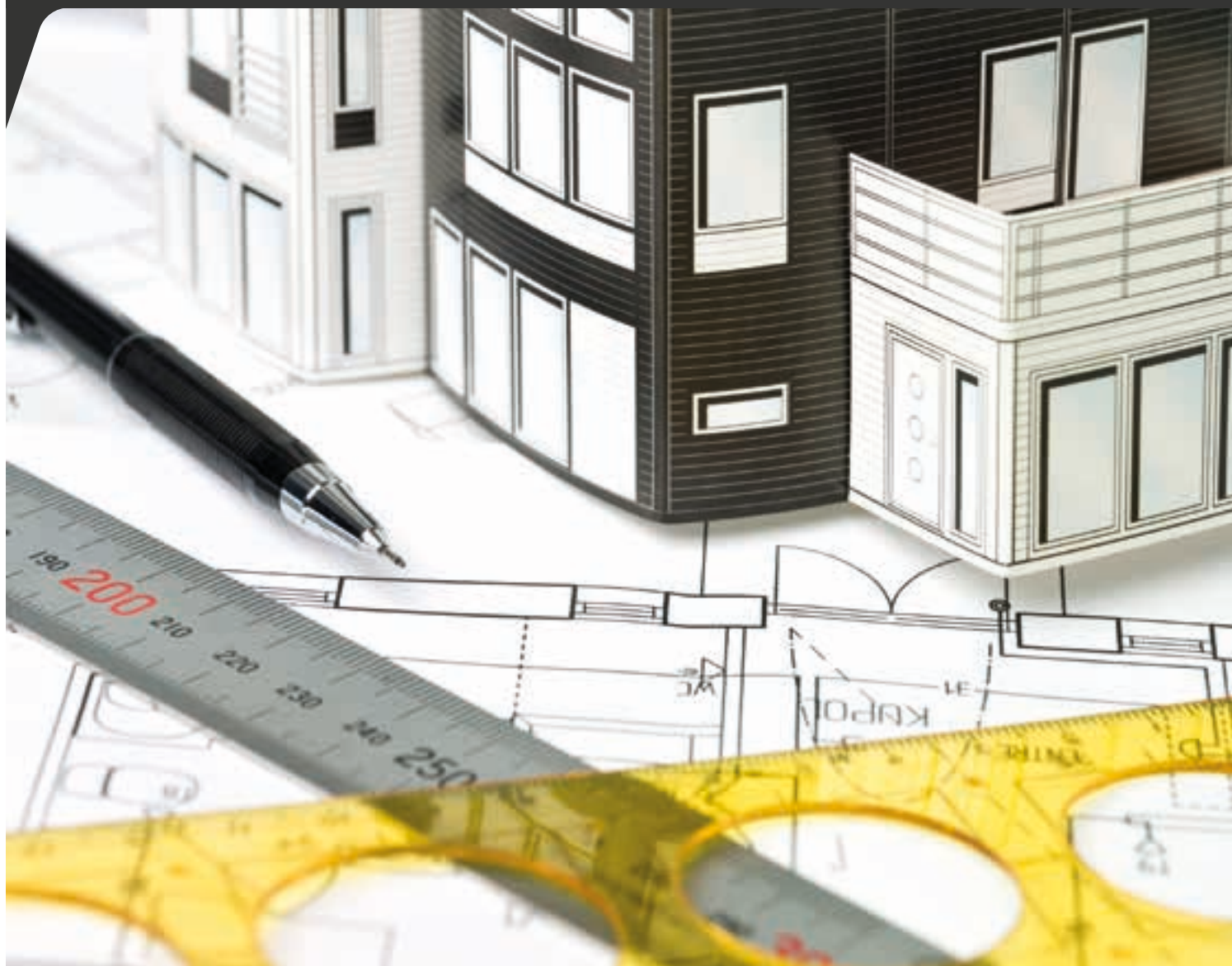


RESITRIX®

Single-layer waterproofing membranes

SPECIFICATION GUIDELINES



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Foreword



The specification guidelines below form the basis of the planning preparations for unused and accessible roof waterproofing with the hot-air-weldable, EPDM-based RESITRIX® waterproofing membranes.

All key roof structure and detail formations are described in text form and supplemented with images and drawings. Other local conditions or material combinations not described here may affect the functionality. Designs that vary from the planning guidelines as well as special solutions therefore require prior agreement with our Technical Department.

The information and product descriptions in this publication are based on our experience and test results and are correct to the best of our knowledge and belief. They form the basis of all of the solutions described here. Claims for compensation may not be derived from the contents of this publication. We reserve the right to make technically feasible design and product range modifications in accordance with our high standards regarding quality and continuous advancement.

These specification guidelines replace and supersede all previous editions.

September 2017

1. Basic Information

- The generally accepted technology standards must be complied with. The latest valid editions of all relevant standards, regulations, directives and guidelines apply.
- All RESITRIX® waterproofing membranes comply with the material related requirements for high quality roof waterproofing as per DIN 18531 (property class E1 and application category K2) and the specialist rule for sealing applications (flat roof guideline), with the additional requirements of the applicable set of rules also having to be complied with. They also meet the requirements for the waterproofing of buildings as per DIN 18195 and its follow on standards.
- All prior services from other trades must be suitable for the roof structure in question.
- The specification guidelines cannot take into account all construction related partial or specialist solutions. Applications relating to the waterproofing of buildings are not described in these specification guidelines. Their technical execution should only take place following consultation with our Technical Department.
- In the event of deviations from the general technical regulations, the specifications according to these guidelines may be applied.

2. General planning notes

The choice of suitable RESITRIX® waterproofing membranes and their installation variants, as well as the choice of all other individual layers of the overall roof structure, correlates with the following system proofs for the overall construction:

- Roof structure and wind suction safety as well as static safety
- Proof of heat and moisture protection
- Compliance with the regulations of the energy-saving ordinance
- Fire safety certificate and/or sound insulation certificate
- Proof of root protection in the case of roof vegetation

During the planning of the standard layer structure, as well as detailed solutions, the following individual instructions must be kept in mind:

- In accordance with the set of technical regulations, a minimum tapering of 2% should be planned for waterproofing structures. This can only be deviated from in justified exceptions.
- Please comply with the general substrate requirements for the individual installation variant. In particular, all substrates must be checked for suitability with regard to material compatibility and mechanical stress. Suitable protective layers or separating layers made from non-woven glass fibre, synthetic fleece or bitumen membranes must be laid if necessary.
- Above expansion joints, suitable additional measures must be taken, e.g. through the installation of the RESIFLEX® SK expansion joint sealing strip.
- In front of vertical surfaces, we recommend extending the roof membrane approx. 150 mm upwards, to provide additional security against water seepage.
- Around roof drains, the substrate should be lowered by at least 10 mm on a surface of at least 0.5 m² (0.7 x 0.7 m) to allow the faster drainage of rainfall. Outlets should be centralised as much as possible within a seamless section of the RESITRIX® waterproofing membranes.

- If metal components are required, we recommend the use of stainless steel (for the exact type, please consult the relevant manufacturer), aluminium or the use of suitable synthetic for the construction of drainage elements. No warranty claims will be considered in the event of signs of corrosion on unprotected drainage elements made from zinc or zinc alloys as a result of adverse environmental conditions – e.g. acid mist or rain.
- Depending on the individual layers, additional measures may need to be taken in conjunction with the roof geometry to prevent slide-off.
- For all of the roof structures referred to in these specification guidelines with the various RESITRIX® waterproofing membranes, the proofs of resistance to flying sparks and radiating heat (hard roof covering) as per DIN 4102, part 7 or for B Roof (t1) as per DIN EN 1187 are available.

The waterproofing systems not only include the listed waterproofing membranes, but also the following complementary products and accessories:

- Adhesives / primers for substrate bonding
- RESIFLEX® SK + RESIFLEX® 3D expansion joint tape
- Pull-over sleeves for round roof ducts
- Punched parts for forming corners
- BLIFIX® lightning conductor bracket system
- Stainless steel accessories with integrated RESITRIX® sleeves for interior drainage and for pipe ducts

Please refer to the product data sheets inside the RESITRIX® product catalogue for detailed information.

- As a vapour barrier membrane on profiled steel decking and on wood / timber decking, we recommend installing self-adhesive aluminium vapour-barrier membranes ALUTRIX® FR or ALUTRIX® 600. The tear resistant and puncture resistant membranes have an equivalent air layer thickness (sd value) of > 1,500 m and a fuel value of less than 11,600 kJ/m². ALUTRIX® FR also has a thermal value of below 10,500 kJ/m² and therefore meets fire safety requirements as per DIN 18234 and the Industrial Buildings Directive (IndBauRL).

ALUTRIX® FR meets FM Standard Class No. 4470 (FM Approval). Further information on ALUTRIX® vapour barrier membranes can be found in the relevant data-sheet and the ALUTRIX® installation instructions.

- RESITRIX® MB satisfies FM Standard Class No. 4470 (FM Approval).
- In cases of direct renovations of material susceptible to shrinkage, prior consultation with our Technical Department is required.
- When installing thermal insulation made from polystyrene hard foam boards under exposed seals, the temperature resistance of EPS of a maximum of 70 to 85 °C (long-term) and a maximum of 100 °C (briefly) must be noted. Since this temperature resistance can be exceeded in local areas of the roof with increased heat accumulation, for example in front of heat reflecting light or glazed façades, we recommend the additional arrangement of a ballast or the use of alternative insulation.
- Roof waterproofings are exposed to a range of internal and external influences, especially of a mechanical and thermal nature. The high flexibility of RESITRIX® waterproofing membranes, coupled with their practical, shrink-free behaviour, prevents the build-up of material tension and therefore the premature ageing of the seal compared to many other shrink prone materials. However, it is not always possible to exclude optical changes in the form of unevenness or waviness while in use. This primarily affects bonded RESITRIX® waterproofing membranes on old roofs with residual moisture, on timber deck with natural domestic moisture and on insulation prone to movement and shrinkage. The functional safety of the entire seal is however not impaired by the modified installation appearances.
- To ensure the maximum service life of the entire waterproofing installation, regular servicing, inspections and maintenance should be undertaken in accordance with the relevant national regulations. In this regard, we advise taking out a suitable inspection and/or maintenance contract.

3. Product overview of RESITRIX® waterproofing membranes

RESITRIX®

Select the correct membrane for your application.

RESITRIX®CL

Classically bonded using PU.

RESITRIX® CL is the classic EPDM waterproofing membrane that can be welded using hot air, preferably bonded onto the substrate using PU adhesives, which have proven themselves to be outstanding on numerous flat roofs for many years.



PRODUCT-SPECIFIC PROPERTIES:

Designation acc. to DIN SPEC 20000–201: DE/E1 EPDM-BV-V-GG-1,6-PBS
designation acc. to DIN SPEC 20000–202: BA/MSB-Q/MSB-nQ EPDM-BV-V-GG-1,6-PBS
Total membrane thickness: 3,1 mm

CE certification acc. to DIN EN 13956 and DIN EN 13967

Meets the requirements under DIN 18531, the specialist rule for sealing applications (flat-roof guideline) and DIN 18195 and their subsequent standards DIN E 18532, DIN E 18533, DIN E 18534 and DIN E 18535

RESITRIX®MB

Mechanically fixed.

RESITRIX® MB is the EPDM waterproofing membrane that can be welded using hot air, particularly for mechanical fixing and loose installation. It additionally meets FM Standard Class No. 4470 (FM Approval).



PRODUCT-SPECIFIC PROPERTIES:

Designation acc. to DIN SPEC 20000–201: DE/E1 EPDM-BV-V-GG-1,6-PBS
designation acc. to DIN SPEC 20000–202: BA/MSB-Q/MSB-nQ EPDM-BV-V-GG-1,6-PBS
Total membrane thickness: 3,1 mm

CE certification acc. to DIN EN 13956 and DIN EN 13967

FM Approval Standard Class No. 4470

Meets the requirements under DIN 18531, the specialist rule for sealing applications (flat-roof guideline) and DIN 18195 and their subsequent standards DIN E 18532, DIN E 18533, DIN E 18534 and DIN E 18535

RESITRIX®SKW
FULL BOND

Self-adhesive and root-resistant across the full surface.

RESITRIX® SK W Full Bond is a EPDM waterproofing membrane that is self-adhesive and root-resistant across the full surface. It can be welded using hot air and is FLL test certified and licenced under DIN EN 13948.



PRODUCT-SPECIFIC PROPERTIES:

Designation acc. to DIN SPEC 20000–201: DE/E1 EPDM-BV-V-GG-1,6-PBS
designation acc. to DIN SPEC 20000–202: BA/MSB-nQ EPDM-BV-V-GG-1,6-SK
Total membrane thickness: 2,5 mm

CE certification acc. to DIN EN 13956 and DIN EN 13967

Root-resistant according to the FLL test report of the Institute of Horticulture, FG/FU Weihenstephan and DIN EN 13948

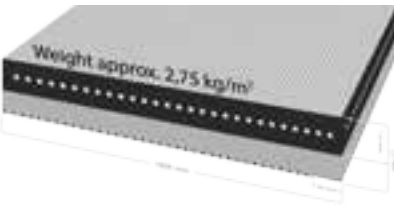
Meets the requirements under DIN 18531, the specialist rule for sealing applications (flat-roof guideline) and DIN 18195 and their subsequent standards DIN E 18532, DIN E 18533, DIN E 18534 and DIN E 18535

RESITRIX®SR

Grey and reflective.

RESITRIX® SR is the grey EPDM waterproofing membrane that can be welded using hot air, for all types of light coloured waterproofing.

RESITRIX® SR is self-adhesive and has reflective properties thanks to its light grey colour.



PRODUCT-SPECIFIC PROPERTIES:

Designation acc. to DIN SPEC 20000–201: DE/E1 EPDM-BV-V-GG-1,6
designation acc. to DIN SPEC 20000–202: BA/MSB-nQ EPDM-BV-V-GG-1,6-SK
Total membrane thickness: 2,5 mm

CE certification acc. to DIN EN 13956 and DIN EN 13967

Meets the requirements under DIN 18531, the specialist rule for sealing applications (flat-roof guideline) and DIN 18195 and their subsequent standards DIN E 18532, DIN E 18533, DIN E 18534 and DIN E 18535

RESITRIX®SK
PARTIAL BOND

Partially self-adhesive.

This EPDM waterproofing membrane that can be welded using hot air is partially self-adhesive.

RESITRIX® SK Partial Bond can be used on materials that are susceptible to movement and substrates with residual moisture.



PRODUCT-SPECIFIC PROPERTIES:

Designation acc. to DIN SPEC 20000–201: DE/E1 EPDM-BV-V-GG-1,6
designation acc. to DIN SPEC 20000–202: BA/MSB-nQ EPDM-BV-V-GG-1,6-SK
Total membrane thickness: 2,5 mm

CE certification acc. to DIN EN 13956 and DIN EN 13967

Meets the requirements under DIN 18531, the specialist rule for sealing applications (flat-roof guideline) and DIN 18195 and their subsequent standards DIN E 18532, DIN E 18533, DIN E 18534 and DIN E 18535

- EPDM
- INTEGRAL GLASS-FIBRE REINFORCEMENT
- POLYMER MODIFIED BITUMEN (SELF-ADHESIVE)
- POLYMER-MODIFIED BITUMEN
- FINE QUARTZ SANDED FINISH
- PE FILM
- RELEASE FILM



4. Overall summary of installation possibilities

INSTALLATION VARIANT	MECHANICAL FIXING	INSTALLATION USING BALLAST		FULL SURFACE OR PARTIAL SELF-ADHESIVE	STRIP-WISE COLD ADHESIVE SEALING	FULL SURFACE HOT ADHESIVE SEALING	INSTALLATION UNDER VEGETATION
RESITRIX® waterproofing membrane	RESITRIX® MB RESITRIX® CL	RESITRIX® MB RESITRIX® CL RESITRIX® SK Partial Bond RESITRIX® SK W Full Bond RESITRIX® SR		RESITRIX® SK W Full Bond RESITRIX® SR RESITRIX® SK Partial Bond	RESITRIX® CL	RESITRIX® CL	RESITRIX® SK W Full Bond
Fixing method	individual fastener	loose or adhered		surface primer FG35, if necessary without surface primer* Special primer FG 40 (only on EPS without lamination or initial covering)	polyurethane adhesive PU-LMF-02	hot bitumen	with/without surface primer FG35, if necessary mechanical fixing with / without special primer FG 40 (only on EPS without lamination or initial covering)
Overlap	at least 10 cm, at least 13 cm on unfaced EPS foam	at least 5 cm, at least 8 cm on unfaced EPS foam		at least 5 cm , at least 8 cm on unfaced EPS foam	at least 5 cm, at least 8 cm on unfaced EPS foam	at least 5 cm	depending on installation type, at least 5 to 13 cm
Seam connection	hot-air welding			hot-air welding			
Welding width	100 mm minimum	50 mm minimum		50 mm minimum			depending on installation type, at least 50 mm to 130 mm

* See also: Tables 5.2, 5.4 and 5.5 in which cases primer can be dispensed with.



5. Installation possibilities

Within the following summaries, all installation possibilities for RESITRIX® waterproofing membranes are set out as a function of conventional substrates and

ballasts, wear layers or vegetation.
There is a wide range of variants available.

The preferred versions from an installation technology perspective are highlighted in colour for each of these installation possibilities. The other variants may however also be perfectly suitable or necessary taking account of

further framework conditions, such as changed weathering behaviour or the construction of temporary waterproofing.

5.1 SELF-ADHESIVE RESITRIX® WATERPROOFING MEMBRANES ON MINERAL WOOL BOARDS (MW)

INSULATION TYPE AS PER DIN EN 13162	LAMINATION / BRAND	PRIMER	WATERPROOFING MEMBRANE		USAGE OF FG 35 IN g/m²		ROOF PITCH	COMMENTS
					SPRAY	MANUAL		
DAA-dm Only for unused roofs	top-side fleece lamination at the factory Only the following brand: • HARDROCK Multi-fix (DD)	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i>		approx. 140	approx. 200	any	Note the installation conditions of the insulation manufacturer. If necessary, take additional measures against slide-off and to secure against wind suction.
	inorganic, fibre-reinforced coating applied at the factory Only the following brands: • Rockwool-Megarock	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 140	approx. 200	up to 20°	

 Preferred installation variant

5.2 SELF-ADHESIVE RESITRIX® WATERPROOFING MEMBRANES ON EPS FOAM BOARD

INSULATION TYPE AS PER DIN EN 13163	LAMINATION / BRAND	PRIMER	WATERPROOFING MEMBRANE		USAGE OF PRIMER IN g/m²		ROOF PITCH	COMMENTS
					SPRAY	MANUAL		
DAA-dm Only for unused roofs DAA-dh Also for used roofs, accessible	unfaced or without deck	FG 40, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i>		approx. 70–100	not required	any	Note the installation conditions of the insulation and bitumen membrane manufacturer; if necessary take additional measures against slide-off and to prevent the temperature resistance of EPS being exceeded (see also instructions under Section 3, General planning notes).
	factory coated lamination made from bitumen membrane, sand or talc covered	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 140	approx. 200		
	factory coating lamination from bitumen membrane with flamed PE release film	primer should always be used	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		not applicable			
	unfaced with deck made from cold self-adhesive bitumen membrane and flamed PE release film	primer should always be used	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		not applicable			

 Preferred installation variant

5.3 SELF-ADHESIVE RESITRIX® WATERPROOFING
MEMBRANES ON POLYURETHANE/POLYISO FOAM BOARD (PUR/PIR)


INSULATION TYPE AS PER DIN EN 13163	LAMINATION / BRAND	PRIMER	WATERPROOFING MEMBRANE	USAGE OF FG PRIMER IN g/m²		ROOF PITCH	COMMENTS
				SPRAY	MANUAL		
DAA-dh and DAA-ds Also for used roofs, accessible	<ul style="list-style-type: none">• In the factory on mineral fleece lamination or• Non-laminated or• In the factory with aluminium lamination, Only with the following brands: <ul style="list-style-type: none">• Linitherm PAL• Linitherm PAL FD• Linitherm PAL for slopes	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>	approx. 140	approx. 200	up to 20°	Note the installation conditions of the insulation and bitumen membrane manufacturer. If necessary, take additional measures against slide-off.

5.4 SELF-ADHESIVE RESITRIX® WATERPROOFING MEMBRANES ON CELLULAR GLASS BOARD (CG)

INSULATION TYPE AS PER DIN EN 13167	LAMINATION / DECK	PRIMER	WATERPROOFING MEMBRANE	USAGE OF PRIMER IN g/m²	ROOF PITCH	COMMENTS
DAA-ds Also for used roofs, accessible	unfaced, without deck and with layer of bitumen	primer should always be used	RESITRIX® <i>SK W Full Bond</i>	not applicable	up to 20°	Note the installation conditions of the insulation and bitumen membrane manufacturer. If necessary, take additional measures against slide-off.
	coated top-side with bitumen at the factory, without deck brand: <ul style="list-style-type: none">• Foamglas-Ready Board	primer should always be used	RESITRIX® <i>SK W Full Bond</i>	not applicable	up to 20°	

5.5 SELF-ADHESIVE RESITRIX® WATERPROOFING MEMBRANES ON SUPPORTING STRUCTURES, UN-INSULATED

SUBSTRATES / SUP-PORTING STRUCTURE	INITIAL COVERING	PRIMER	WATERPROOFING MEMBRANE		USAGE OF PRIMER IN g/m²		ROOF PITCH	COMMENTS
					SPRAY	MANUAL		
Wooden form-work, tongue-and-groove type / timber deck	without deck	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 140	approx. 200	any	Additional measures and / or selection of deck dependent on the type and state of the supporting structure and following coordination with our Technical Department
	deck made from tear-resistant bitumen membrane, sand or talc covered, nailed-on	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 140	approx. 200		
	deck made from cold self-adhesive bitumen membrane with flamed PE release film	primer should always be used	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		not applicable			
Reinforced concrete Pumice concrete Porous concrete	without deck	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 200	approx. 300		
	deck made from tear-resistant bitumen membrane, sand or talc covered	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		approx. 140	approx. 200		
	deck made from cold self-adhesive bitumen membrane with flamed PE release film	primer should always be used	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>		not applicable			
Profiled steel decking	corrugation eaves filler (not EPS)	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i>		approx. 140	approx. 200		

 Preferred installation variant

5.6 SELF-ADHESIVE RESITRIX® WATERPROOFING MEMBRANES ON EXISTING ROOFS
(RENOVATION WITHOUT ADDITIONAL INSULATION)

EXISTING SEAL	DECK / ADDITIONAL MEASURES	PRIMER	WATERPROOFING MEMBRANE		USAGE OF PRIMER IN g/m²		ROOF PITCH	COMMENTS
					SPRAY	MANUAL		
<ul style="list-style-type: none">• Normal bitumen• Elastomer bitumen	Remove bubbles, creases, dirt or unevenness.	FG 35, full surface	RESITRIX® <i>SK W Full Bond</i>		approx. 140	200	any	If necessary, take additional measures against slide-off.
<ul style="list-style-type: none">• APP bitumen• Plastic systems (softener-free)	Subsequent shrinkage processes must be ruled out; for this reason, installation is only possible on seals with a functioning horizontal fastening in the roof edge area and in front of vertical surfaces.		RESITRIX® <i>SR</i>					Installation and additional measures only following consultation with our Technical Department.
<ul style="list-style-type: none">• Elastomer membranes• Liquid-applied plastic system• PU in-situ foam			RESITRIX® <i>SK Partial Bond</i>					

5.7 BONDING WITH RESITRIX® CL ON MINERAL WOOL BOARDS (MW)

INSULATION TYPE AS PER DIN EN 13162	LAMINATION / BRAND	TYPE OF BOND-ING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
DAA-dm Only for unused roofs	factory coated lamination made from bitumen membrane, sand covered	strip bonding with PU-LMF-02	RESITRIX® <i>CL</i>		approx. 200	up to 20°	Note the insulation manufacturer's installation conditions. If necessary, take additional measures against slide-off. Full surface bonding in the edge and corner area.
		full surface bonding using hot bitumen	RESITRIX® <i>CL</i>		approx. 1500	up to 20°	
	top-side fleece lamination at the factory or inorganic coating Only the following brands: <ul style="list-style-type: none">• Rockwool-Bondrock MV• Rockwool-Georock MV• Rockwool-Keprocks MV• Rockwool-Megarock• HARDROCK Multi-fix (DD)	strip bonding with PU-LMF-02	RESITRIX® <i>CL</i>		approx. 200	any	

 Preferred installation variant

5.8 BONDING WITH RESITRIX® CL ON EPS FOAM BOARD

INSULATION TYPE AS PER DIN EN 13163	LAMINATION / BRAND	TYPE OF BONDING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
DAA-dm Only for unused roofs DAA-dh Also for used roofs, accessible	deck made from tear-resistant bitumen membrane, sand or talc covered	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	any	Note the installation conditions of the insulation and bitumen membrane manufacturer. If necessary, take additional measures against slide-off and to prevent the temperature resistance of EPS being exceeded (see also instructions under Section 3, General planning notes).
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500	any	
	deck made from cold self-adhesive bitumen membrane with flamed PE release film	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	any	
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500	any	
	unfaced, without deck	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	up to 20°	

5.9 BONDING WITH RESITRIX® CL ON POLYURETHANE / POLYISO FOAM BOARD (PUR/PIR)

INSULATION TYPE AS PER DIN EN 13162	LAMINATION / BRAND	TYPE OF BONDING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
DAA-dh Also for accessible roofs	unfaced or fleece-laminated at the factory	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	up to 20°	Note the insulation manufacturer's installation conditions. If necessary, take additional measures against slide-off.

Preferred installation variant

5.10 BONDING WITH RESITRIX® CL ON CELLULAR GLASS BOARD (CG)

INSULATION TYPE AS PER DIN EN 13162	LAMINATION / BRAND	TYPE OF BONDING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
DAA-ds Also for accessible roofs	unfaced with deck made from bitumen membrane, sand or talc covered	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	up to 20°	Note the installation conditions of the insulation and bitumen membrane manufacturer. If necessary, take additional measures against slide-off.
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1.500	up to 20°	
	unfaced, without deck and with layer of bitumen	full surface bonding using hot bitumen	RESITRIX® CL		approx. 1.500	any	
	top-side coated at the factory with bitumen and with deck made from bitumen membrane, sand or talc covered brand: • Foamglas-Ready Board	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	up to 20°	
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1.500	up to 20°	
	top-side coated with bitumen at the factory, without deck brand: • Foamglas-Ready Board	full surface bonding using hot bitumen	RESITRIX® CL		approx. 1.500	any	

 Preferred installation variant

5.11 BONDING WITH RESITRIX® CL ON SUPPORTING STRUCTURE, UN-INSULATED

TYPE OF SUPPORTING STRUCTURE	LAMINATION / BRAND	TYPE OF BONDING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
Wooden formwork, tongue-and-groove type / timber deck	deck made from tear resistant, sand covered bitumen membrane, nailed on	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200	any	Additional measures and / or selection of deck dependent on the type and state of the supporting structure and following coordination with our Technical Department
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500		
	deck made from cold self-adhesive bitumen membrane with flamed PE release film	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200		
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500		
Reinforced concrete Pumice concrete Porous concrete	deck made from bitumen weld membrane	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200		
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500		
	deck made from cold self-adhesive bitumen membrane with flamed PE release film	strip bonding with PU-LMF-02	RESITRIX® CL		approx. 200		
		full surface bonding using hot bitumen	RESITRIX® CL		approx. 1,500		


 Preferred installation variant

5.12 BONDING WITH RESITRIX® CL ON EXISTING ROOFS (RENOVATION WITHOUT ADDITIONAL INSULATION)

EXISTING SEAL	PRE-TREATMENT	TYPE OF BONDING	WATERPROOFING MEMBRANE		USE OF ADHESIVE IN g/m²	ROOF PITCH	COMMENTS
<ul style="list-style-type: none">• Normal bitumen• Elastomer bitumen• PU in-situ foam	remove bubbles, creases, dirt or unevenness	strip bonding with PU-LMF-02	RESITRIX® <i>CL</i>		approx. 200	any	If necessary, take additional measures against slide-off.

5.13 LOOSE INSTALLATION WITH MECHANICAL FIXING USING RESITRIX® MB/RESITRIX® CL

SUBSTRATE	PROTECTIVE LAYER / MEASURES REQUIRED		WATERPROOFING MEMBRANE	ROOF PITCH	COMMENTS
Mineral wool plates (MW) as per DIN EN 13162 Type DAA-dm only for unused roofs	unfaced or uncoated		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	any	Note the installation conditions of the insulation manufacturer. If necessary take additional measures against the temperature resistance of EPS being exceeded (see also instructions under Section 2, General planning notes). Be aware of the increased membrane overlap and the welding width of 8 cm.
EPS foam board as per DIN 13163 Type DAA-dm only for unused roofs Type DAA-dh Also for used roofs, accessible	unfaced or uncoated and also non-woven glass fibre, approx. 120 g/m²		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	any	
Polyurethane / Polyiso board (PUR/PIR) as per DIN 13165 Type DAA-dh Also for used roofs, accessible	unfaced or faced at the factory		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	up to 20°	
Supporting structure, uninsulated, made from <ul style="list-style-type: none">• wooden framework, tongue-and-groove type/timber deck• reinforced concrete• pumice concrete• porous concrete	without protective layer or with non-woven glass fibre approx. 120 g/m² or with polyester fleece, approx. 300 g/m² (depending on the condition of the supporting structure)		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	any	
<ul style="list-style-type: none">• Profiled steel decking	corrugation eaves filler, non-flammable		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	any	
Existing seal (existing roof), softener-free	Remove bubbles, creases, dirt and unevenness; subsequent shrinkage processes must be ruled out; for this reason, installation is only possible on waterproofing with a functioning horizontal fastening in the roof edge area and in front of vertical surfaces.		RESITRIX® <i>MB</i> RESITRIX® <i>CL</i>	any	

 Preferred installation variant

5.14 INSTALLATION OF ALL RESITRIX® WATERPROOFING MEMBRANES UNDER BALLAST OR WEAR LAYER

USAGE	SUBSTRATE / INSULATION TYPE	BALLAST / VEGETATION	WATERPROOFING MEMBRANE	COMMENTS
Not used	insulation type DAA-dm or DAA-dh DUK-dh (for inverted roof)	gravel	RESITRIX® <i>MB</i> RESITRIX® <i>CL</i> RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>	<ul style="list-style-type: none">• Types or brands of insulation for PUR / PIR as with mechanical fixation.• Note the installation conditions of the insulation manufacturer.• No separating layers are required between the insulating layer and the waterproofing membrane.• Protective layers may be required between the waterproofing membrane and the ballast / vegetation.• If necessary, take additional measures against slide-off.• The type and dimensions of the ballast are dependent on the use, wind suction load and static strength of the supporting structure.
	or supporting structure without thermal insulation	extensive vegetation	RESITRIX® <i>SK W Full Bond</i>	
Used, accessible	insulation type DAA-dh DUK-dh (for inverted roof)	roofs that can be walked on (e.g. terrace structure)	RESITRIX® <i>MB</i> RESITRIX® <i>CL</i> RESITRIX® <i>SK W Full Bond</i> RESITRIX® <i>SR</i> RESITRIX® <i>SK Partial Bond</i>	<ul style="list-style-type: none">• When renovating old roofs, the condition of the existing roof structure must be checked first.• In the case of intensive vegetation, the individual layers including RESITRIX® SK W Full Bond should also be bonded across their full surfaces (compact roof).• In the case of inverted roofs, the RESITRIX® roof waterproofing should also be bonded across its entire surface.
	or supporting structure without thermal insulation	extensive vegetation, intensive vegetation	RESITRIX® <i>SK W Full Bond</i>	
	or existing roof			

6. Additional notes for the individual installation variants



6.1 LOOSE INSTALLATION WITH MECHANICAL FIXING

General substrate requirements	<ul style="list-style-type: none">• even, free from tension, bubbles, creases, sharp edges, burrs and rough sections, damaging joints, etc.• If necessary, suitable separating layers should be installed on unsuitable substrates.• additional base tie-in with individual fasteners
Information about mechanical fixation	Number and arrangement of individual fasteners following consultation with our Technical Department
Overlap width of the sealing layers	<ul style="list-style-type: none">• at least 10 cm• at least 13 cm on unfaced rigid polystyrene foam with non-woven glass fibre, building material class A2, at least 120 g /m²
Seam connection	hot-air welding
Welding width	at least 100 mm

6.2 INSTALLATION WITH BALLASTING / WEARING LAYER (FOR GREEN VEGETATION, SEE SECTION 6.4)

General substrate requirements	<ul style="list-style-type: none">• even, free from tension, bubbles, creases, sharp edges, burrs and rough sections, damaging joints, etc.• If necessary, suitable separating layers should be installed on unsuitable substrates.• Additional edge fixation with individual fasteners on• supporting shell made of trapezoidal steel profile,• on EPS rigid foam insulation and	
Ballasting / wearing layer	gravel (unused roof)	wear layer for accessible roof
Thickness / weight	complies with DIN EN 1991; at least 5 cm	complies with DIN EN 1991
Protective layer above sealing layer	Protective layer required	protective layer and drainage layer as per the planner's specifications
Roof pitch	max 5°	
Overlap width of the sealing layers	<ul style="list-style-type: none">• at least 5 cm• at least 100 mm on unfaced rigid polystyrene foam	
Seam connection	hot-air welding	
Welding width	at least 50 mm	



If the construction is an inverted roof with extruded polystyrene hard foam (XPS), type DUK-dm, dh, ds, the specifications as per the relevant building control certification must also be observed.

6.3 BONDED DESIGNS

Substrate bonding	self-adhesive with full surface primer	full surface bonding using hot bitumen	strip bonding with PU adhesive PU-LMF-02
Waterproofing membrane(s)	RESITRIX® SK W Full Bond RESITRIX® SR RESITRIX® SK Partial Bond	RESITRIX® CL	RESITRIX® CL
General substrate requirements	<ul style="list-style-type: none">• dust and grease-free, softener-free, even, wind suction-resistant, free from tension, bubbles, creases, sharp edges, burrs and rough sections, damaging joints• frost-free (ambient temperature at least + 5 °C)• additional edge fixation with individual fasteners on<ul style="list-style-type: none">• supporting shell made of trapezoidal steel profile,• on EPS rigid foam insulation and• for loose, raised-up joints and junctions <div><div>dry</div><div><ul style="list-style-type: none">• free of visible water• fog or dew moisture possible</div></div>		
Roof pitch	Unlimited, if the substrate is stable and wind suction-resistant.	Over a pitch of 5°, stable bitumen must be used.	Unlimited, if the substrate is stable depending on the roof pitch. Otherwise if necessary also carry out mechanical fixation to the upper edge of the membrane as a temporary slide-off guard.
Overlap width	<ul style="list-style-type: none">• at least 5 cm• at least 8 cm on unfaced rigid polystyrene foam		
Seam connection	hot-air welding		
Welding width	at least 50 mm		

6.4 INSTALLING RESITRIX® SK W FULL BOND UNDER ROOF VEGETATION

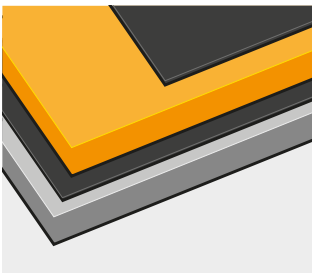
Installation variant	full surface self-adhesive with primer	loose installation without surface primer, including mounting tacking	loose installation without surface primer, with mechanical fixing
General substrate requirements	<ul style="list-style-type: none">• dust and grease-free, softener-free, even, wind suction-resistant, free from tension, bubbles, creases, sharp edges, burrs and rough sections, damaging joints• frost-free (ambient temperature at least + 5 °C)• additional edge fixation with individual fasteners on<ul style="list-style-type: none">• supporting shell made of trapezoidal steel profile,• on EPS rigid foam insulation and• for loose, raised-up joints and junctions <div><div><ul style="list-style-type: none">• dry• frost-free (ambient temperature at least +5 °C)</div><div><ul style="list-style-type: none">• If necessary, suitable separating layers must be arranged on non-supporting substrates.</div></div>		
Information re-garding specialist installation variant	Choice of installation variant depending on the substrate conditions and vegetative roof system used, especially with regard to wind suction resistance (use of SFS fasteners in the case of mechanical fixing to profiled steel decking). To avoid water leaks in the event of damage and/ or to ensure positional stability, full surface self-adhesive is recommended as per the applicable flat-roof guidelines. Water leaks can also be suppressed by using small areas of night joint seals within the thermal insulation.		
Information on roof vegetation	Extensive and intensive vegetation are possible in single and multi-layer constructions. The installation regulations of the respective vegetation manufacturer must also be observed.		

7. Selected roof structures | Examples of installation

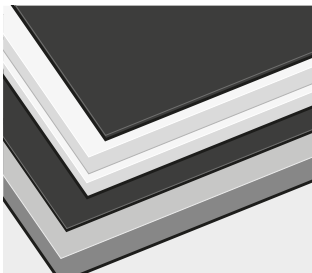
7.1 BONDED INSTALLATION

SUPPORTING STRUCTURE

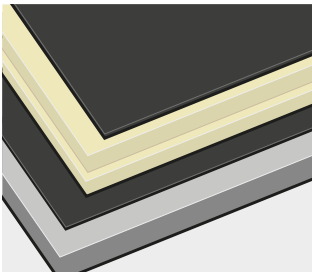
Reinforced concrete / pumice concrete / porous concrete



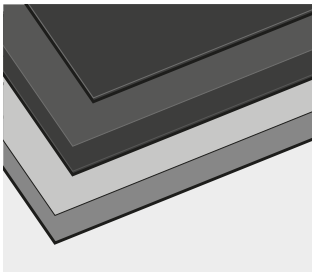
- RESITRIX® *SK W Full Bond* with FG 35
- mineral wool, coated on the top side
- bituminous vapour barrier membrane on undercoat
- concrete



- RESITRIX® *SK W Full Bond* with FG 40
- unfaced rigid polystyrene foam
- bituminous vapour barrier membrane on undercoat
- concrete

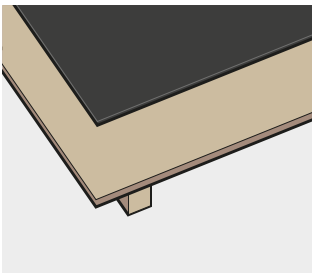


- RESITRIX® *SK W Full Bond* with FG 35
- PUR/PIR foam
- bituminous vapour barrier membrane on undercoat
- concrete



- RESITRIX® *SK W Full Bond* with FG 35
- cellular glass in hot bitumen, with deck made from bitumen membranes in hot bitumen
- concrete

Wooden formwork, tongue-and-groove type / timber deck

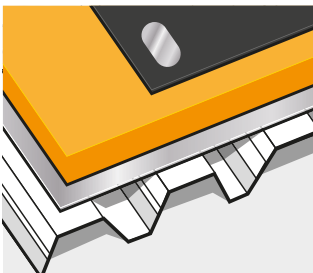


- RESITRIX® *SK W Full Bond* with FG 35
- timber

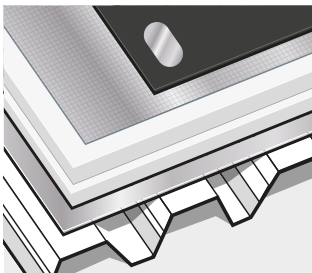
7.2 MECHANICAL FIXING

SUPPORTING STRUCTURE

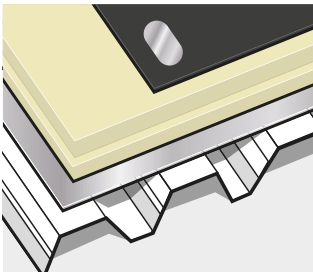
Profiled steel decking (coated)



- RESITRIX® *MB*
- mineral wool
- ALUTRIX®600 / ALUTRIX®FR
- profiled steel decking

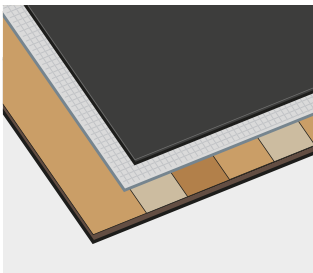


- RESITRIX® *MB*
- Non-woven glass fibre
- EPS foam
- ALUTRIX®600 / ALUTRIX®FR
- profiled steel decking



- RESITRIX® *MB*
- PUR / PIR foam
- ALUTRIX®600 / ALUTRIX®FR
- profiled steel decking

Wooden formwork, tongue-and-groove type / timber deck

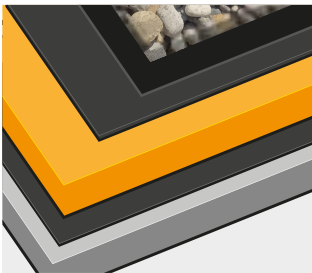


- RESITRIX® *MB*
- non-woven glass fibre
- timber

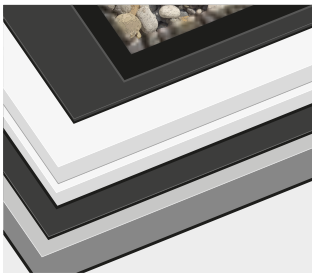
7.3 LOOSE INSTALLATION WITH GRAVEL BALLAST

SUPPORTING STRUCTURE

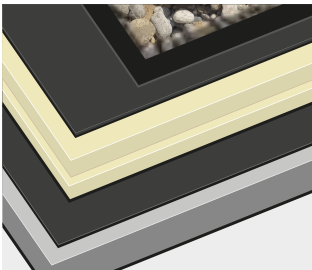
Reinforced concrete / pumice concrete / porous concrete



- gravel
- protective layer
- RESITRIX® MB
- mineral wool
- bituminous vapour barrier membrane on undercoat
- concrete



- gravel
- protective layer
- RESITRIX® MB
- EPS foam
- bituminous vapour barrier membrane on undercoat
- concrete

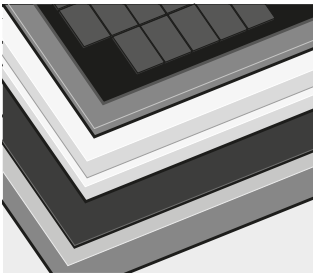


- gravel
- protective layer
- RESITRIX® MB
- PUR/PIR foam
- bituminous vapour barrier membrane on undercoat
- concrete

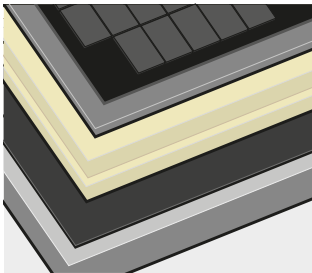
7.4 ACCESSIBLE ROOFS

SUPPORTING STRUCTURE

Reinforced concrete / pumice concrete / porous concrete



- terrace construction on suitable protective layer
- RESITRIX® MB / RESITRIX® SK W Full Bond
- EPS foam
- bituminous vapour barrier membrane on undercoat
- reinforced concrete

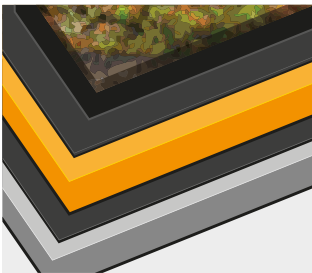


- terrace construction on suitable protective layer
- RESITRIX® MB / RESITRIX® SK W Full Bond
- PUR/PIR foam
- bituminous vapour barrier membrane on undercoat
- reinforced concrete

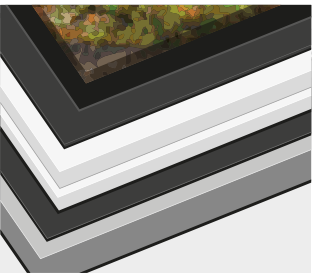
7.5 INSTALLATION UNDER VEGETATION

SUPPORTING STRUCTURE

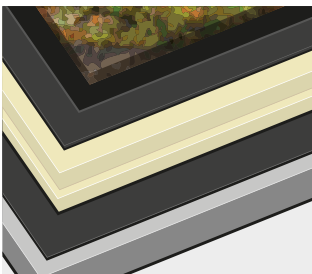
Reinforced concrete / pumice concrete / porous concrete



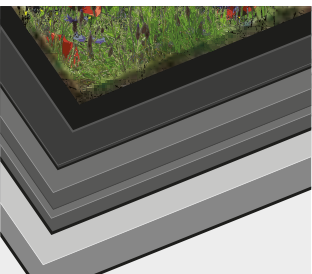
- vegetative roof system (extensive)
- RESITRIX® SK W Full Bond
- mineral wool
- bituminous vapour barrier membrane on undercoat
- concrete



- vegetative roof system (extensive or intensive)
- RESITRIX® SK W Full Bond
- EPS foam
- bituminous vapour barrier membrane on undercoat
- concrete

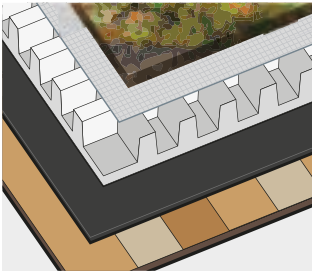


- vegetative roof system (extensive or intensive)
- RESITRIX® SK W Full Bond
- PUR/PIR foam
- bituminous vapour barrier membrane on undercoat
- concrete



- vegetative roof system (extensive or intensive)
- RESITRIX® SK W Full Bond
- cellular glass with deck made from bitumen membranes in hot bitumen
- reinforced concrete

(timber tongue and groove framework / timber deck)

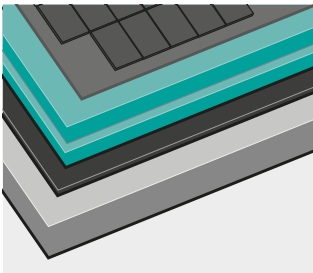


- lightweight roof vegetative roof system (extensive)
- RESITRIX® SK W Full Bond
- timber

7.6 INSTALLATION IN THE INVERTED ROOF AREA

SUPPORTING STRUCTURE

Reinforced concrete



- / slab paving on suitable protective layer
- / XPS foam
- / RESITRIX® SK W Full Bond with FG 35
- / reinforced concrete

8. Connections and terminations



8.1 CONSTRUCTION OF CONNECTIONS AND TERMINATIONS ON PITCHED AND VERTICAL SURFACES

Connection or termination variant ³⁾	full surface / partial self-adhesive on surface primer	full surface welding with hot-air hand-held welding device ¹⁾	
Material type of the separate flashing strips	RESITRIX® <i>SK W Full Bond</i>	RESITRIX® <i>MB</i>	
	RESITRIX® <i>SR</i>	RESITRIX® <i>CL</i>	
	RESITRIX® <i>SK Partial Bond</i>	RESITRIX® <i>SK W Full Bond</i>	
		RESITRIX® <i>SR</i>	
		RESITRIX® <i>SK Partial Bond</i>	
Area of application	on pitched and vertical connection surfaces		
General substrate requirements	<ul style="list-style-type: none">• dust and grease-free, softener-free, even, free from tension, bubbles, creases, sharp edges, burrs and rough sections, damaging joints• dry and frost free (ambient temperature at least 5°C)		
Substrate variants ²⁾	<ul style="list-style-type: none">• metallic substrates, uncoated• bituminous materials• absorbent or porous substrates (concrete, brick, plaster, timber deck)• hard PVC, polyester, polycarbonate, polyurethane, mineral wool (faced)• various plastic and rubber membranes, only with inlays or lamination , EPS (see below)		
	PIB, ECB, alternative EPDM, FPO, NBR, liquid-applied plastic systems, glass	PIB	ECB
Seam connection	hot-air welding		
Overlap width	at least 5 cm		
Welding width	at least 50 mm		

¹⁾ Only useful for small areas that require welding.

²⁾ Transitions to alternative materials affect the whole system and therefore cannot be safeguarded with one material warranty. Technical execution should only take place following consultation with our Technical Department.

³⁾ Connections to non stable, non wind suction resistant or non adherable substrates can be carried out loosely with mechanical fixing on the top side. In the case of connection heights above 50 cm, mechanical intermediate fixing is required.

8.2 CONSTRUCTION OF CONNECTIONS/TRANSITIONS WITHIN THE WATER-CARRYING LAYER

Substrate variant	connection or termination at metallic materials ¹⁾	connection or termination at plastics ¹⁾	connection to alternative seals, bitumen-compatible, softener-free ¹⁾²⁾
	<ul style="list-style-type: none">zinccopperstainless steelaluminium	<ul style="list-style-type: none">unsaturated polyester resin, fibreglass-reinforced (UP-GFK)hard PVCpolypropylene	<ul style="list-style-type: none">normal bitumenelastomer bitumenAPP bitumenPIBECBliquid-applied plastic systems
Material type of the sealing layer	RESITRIX® SK W Full Bond / RESITRIX® SR / RESITRIX® SK Partial Bond		
Pretreatment of the cleaned substrate	degreasing with G 500 cleaner no surface primer no surface primer		priming with FG 35
Connection with transitional area	hot-air welding		
Overlap width	at least 5 cm		
Welding width	at least 50 mm		

¹⁾ Connections and terminations require prior consultation with our Technical Department.

²⁾ Connections to alternative seals cannot be safeguarded with one material warranty, since differences in the formula used within alternative seals, associated with changes within the physical parameters, cannot be ruled out.

9. Notes on corner construction

Corners are best formed with flat, pre-fabricated cut sections made from RESIFLEX® SK. These cut sections are punched ready-moulded and therefore allow the fast, reliable and convenient construction of internal and external corners. The corner sections comprise 3 parts, a circle with a cut-out notch, a full circle and an oval tongue. The required cut sections can also be simply cut to size directly on the construction site from the membrane materials so that there is virtually no loss of material.

To maintain the overlap width, the diameter and width of the cut sections must be at least 180 mm. The individual cut sections are welded to the full surface of the flashing strips with an overlap width of at least 40 mm using hot air. Hot-air welding is also used to weld the seam connections of the individual cut pieces.

! **Further information on the positioning and installation of cut sections can be found in the RESITRIX® installation instructions.**

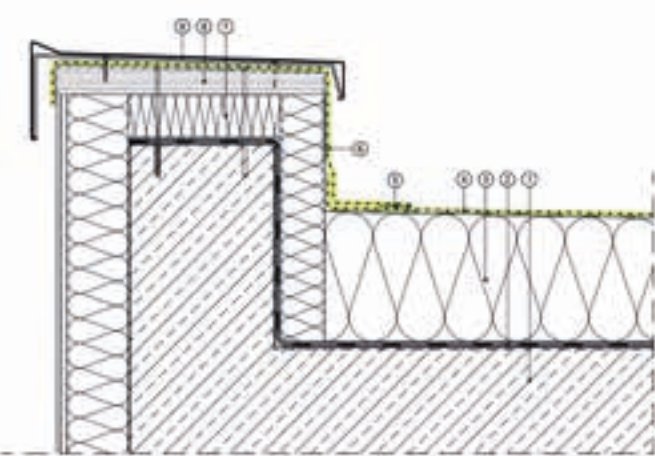
10. Technical drawings, standard details

RESITRIX®

10.1 FASCIA CAPS

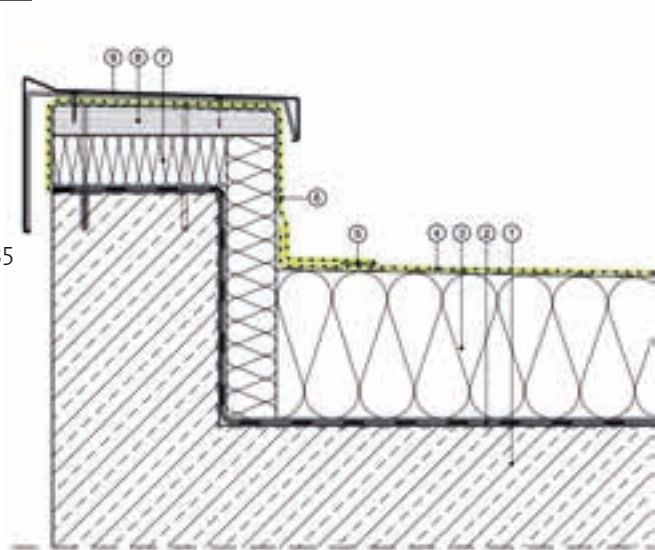
10.1.1 EIFS parapet upstand (fascia cap)

1. Concrete layer
2. Vapour barrier membrane, e.g. V60 S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond welded to roof membrane
6. RESITRIX® SK W Full Bond bonded across its full surface to surface primer FG 35
7. Pressure-resistant insulation
8. Multi layer board throughout
9. Aluminium parapet covering or similar, mechanically fastened



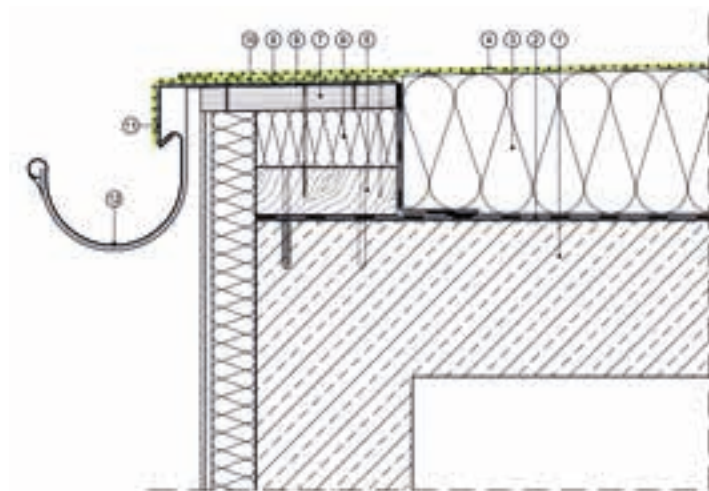
10.1.2 Parapet upstand

1. Concrete layer
2. Vapour barrier membrane, e.g. G200 S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond welded to surface membrane
6. RESITRIX® SK W Full Bond bonded across its full surface to surface primer FG 35
7. Pressure-resistant insulation
8. Multilayer board throughout
9. Aluminium parapet covering or similar, mechanically fastened



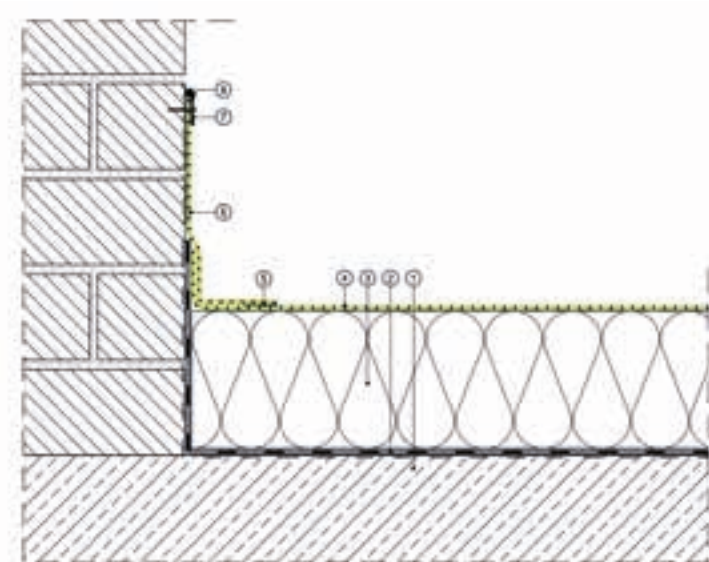
10.2 DRAINAGE | GUTTER

1. Concrete component
2. Vapour barrier membrane, e.g. V6o S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. Wooden plank
6. Pressure-resistant insulation
7. Multilayer board throughout
8. Iron brackets
9. Metal closure
10. RESITRIX® SK W Full Bond bonded to metal closure
11. FG 35 surface primer to metal closure
12. Eaves gutter, e.g. stainless steel



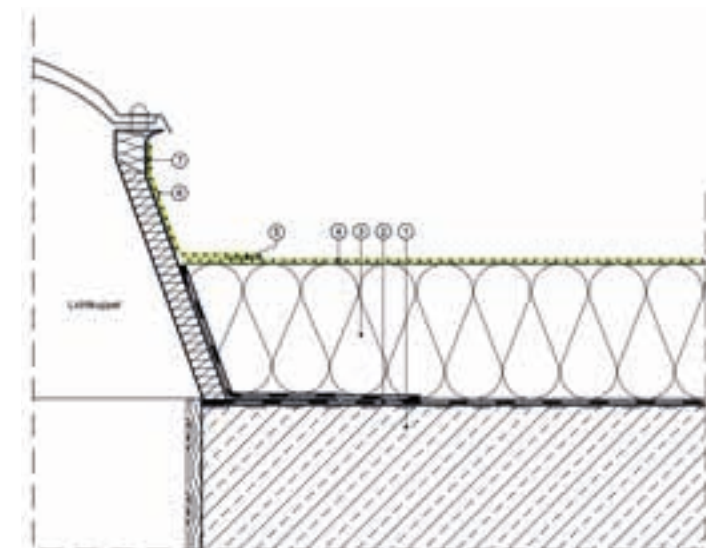
10.3 TERMINATION BAR

1. Concrete layer
2. Vapour barrier membrane V6o S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond welded to surface membrane
6. RESITRIX® SK W Full Bond bonded across its full surface to surface primer FG 35
7. Termination bar detail
8. Elastic sealant



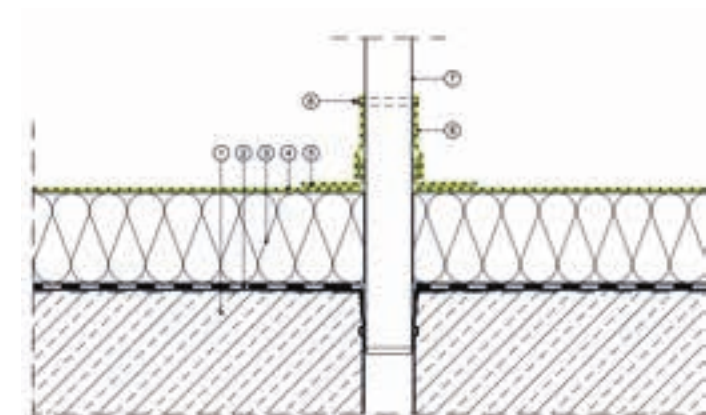
10.4 ROOFLIGHT WATERPROOFING

1. Concrete layer
2. Vapour barrier membrane V6o S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond welded to surface membrane
6. RESITRIX® SK W Full Bond flashing strips bonded to rooflight
7. Upper termination 4 cm welded



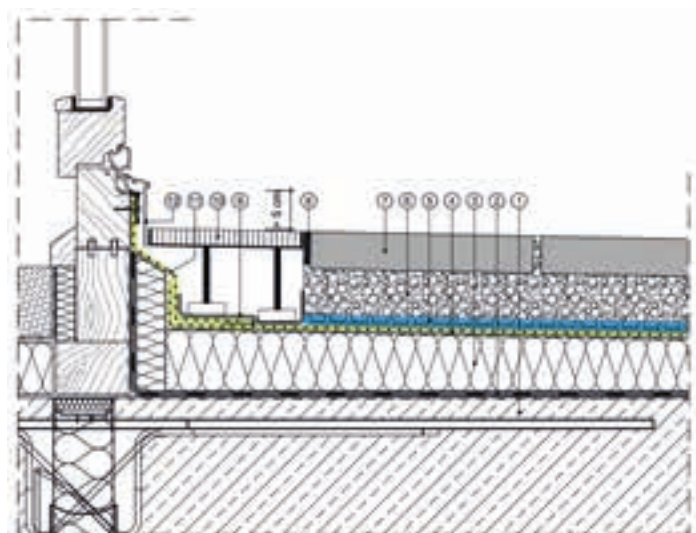
10.5 PENETRATION | VENT PIPE

1. Concrete layer
2. Vapour barrier membrane, e.g. G200 S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per the manufacturer's specifications
4. RESITRIX® SK W Full Bond, bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond sleeve welded to surface membrane
6. Hose clamp
7. Vent pipe
8. RESITRIX® SK W Full Bond flashing strips bonded to surface primer FG 35



10.6 TERRACE DOOR SEALING

1. Concrete layer
2. Vapour barrier membrane
V6o S4 Al bituminous undercoat
3. PUR/PIR insulation, bonded as per
the manufacturer's specifications
4. RESITRIX® SK W Full Bond,
bonded to surface primer FG 35
5. Drainage mat
6. Compensation layer
7. Concrete plate
8. Compressed joint sealing strip
9. Synthetic fleece
10. Grating
11. RESITRIX® SK W Full Bond
welded to surface membrane
12. Step protection sheet

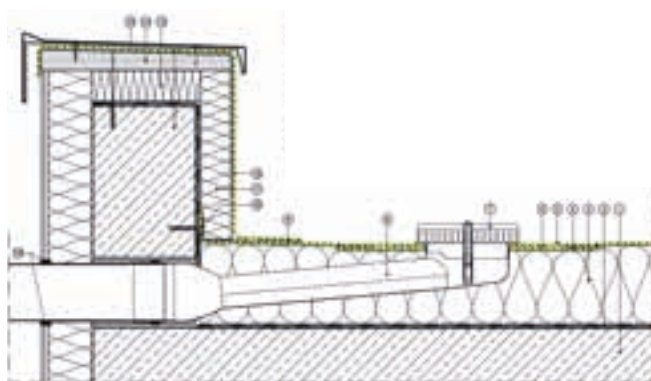


10.7 OUTLETS | ROOF DRAINS

11.7.1 Two-part outlet

1. Concrete layer
2. Vapour barrier membrane,
e.g. G200 S4 Al, bituminous undercoat
3. PUR/PIR thermal insulation
4. RESITRIX® MB mechanical fastened
5. Factory-side connecting sleeve 500 x 500 mm
6. Horizontal base plate
7. M leaf trap
8. Parapet drain outlet Ø 110
9. RESITRIX® SK W Full Bond
welded to surface membrane
10. Base tie-in by means of bent metal sheet
11. Vertical insulation
12. RESITRIX® SK W Full Bond bonded across
its full surface to surface primer

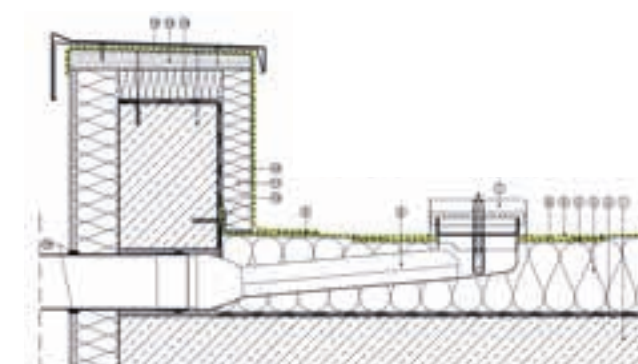
13. Pressure-resistant insulation
14. Multilayer board throughout
15. Aluminium parapet covering or similar, mechanically
fastened
16. Compriband with permanently elastic sealing



10.7.2 Safety drain

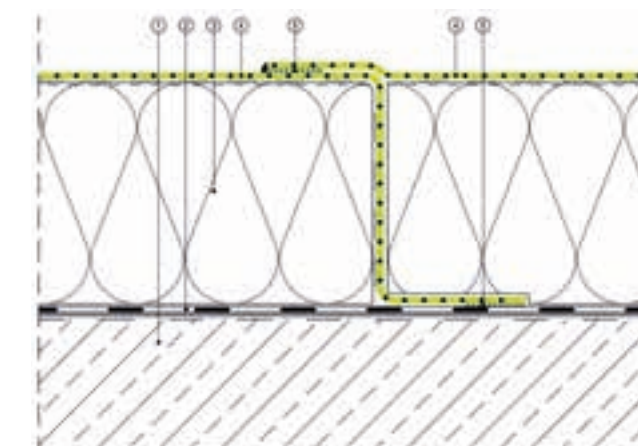
1. Concrete layer
2. Vapour barrier membrane,
e.g. G200 S4 Al, bituminous undercoat
3. PUR/PIR thermal insulation
4. RESITRIX® MB mechanical fastened
5. Factory-side connecting sleeve 500 x 500 mm
6. Horizontal base plate
7. M leaf trap with retaining element
8. Parapet drain outlet Ø 110
9. RESITRIX® SK W Full Bond
welded to surface membrane
10. Base tie-in by means of bent metal sheet
11. Vertical insulation (PUR/PIR)
12. RESITRIX® SK W Full Bond bonded across
its full surface to surface primer FG 35

13. Pressure-resistant insulation
14. Multilayer board throughout
15. Aluminium parapet covering
or similar, mechanically fastened
16. Compriband with permanently elastic sealing



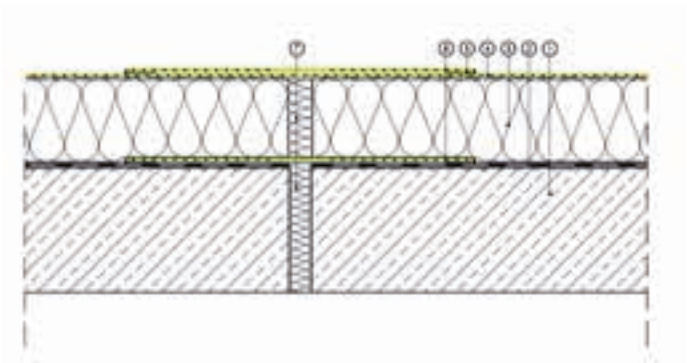
10.8 SEALING-OFF

1. Concrete layer
2. Vapour barrier membrane,
e.g. G200 S4 Al, bituminous undercoat
3. PUR/PIR insulation, bonded as per
the manufacturer's specifications
4. RESITRIX® SK W Full Bond,
bonded to surface primer FG 35
5. RESITRIX® SK W Full Bond, weld with hot air



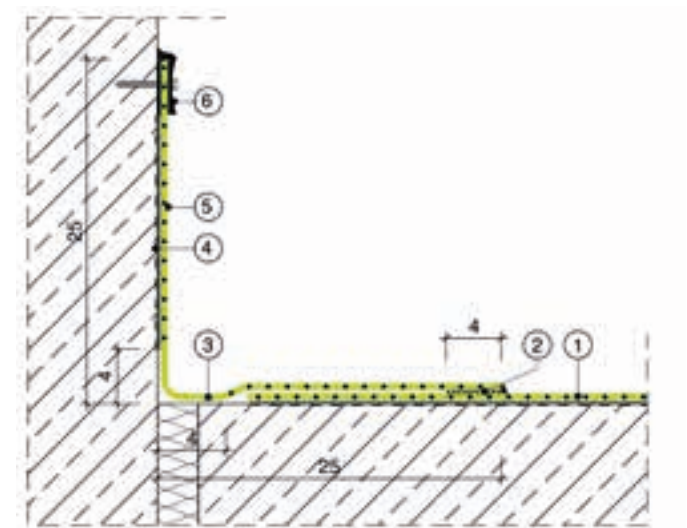
10.9 EXPANSION JOINT WITH RESIFLEX®

- 1. Concrete ceiling
- 2. V6o S4 Al vapour barrier membrane, bituminous primer
- 3. PUR/PIR thermal insulation, bonded according to the manufacturer's specifications
- 4. RESITRIX® SK Partial Bond, bonded to FG 35 surface primer
- 5. RESIFLEX® SK, welded onto base membrane
- 6. RESIFLEX® SK
- 7. Soft insulation



10.10 FLEXIBLE WALL CONNECTION WITH RESIFLEX®

- 1. RESITRIX® SK W Full Bond, fully bonded to FG 35 surface primer
- 2. RESIFLEX® SK, welded onto RESITRIX® SK W Full Bond
- 3. Reinforcement and adhesive-free zone
- 4. Full-surface primer with FG 35
- 5. RESIFLEX® SK expansion joint tape
- 6. Wall connection profile with finish on the upper side



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