pro clima SOLITEX ADHERO system





Reliable solutions for sealing building envelopes











Ecological Building Systems

For stockist information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com







SOLITEX® ADHERO system

Steep roofs and walls: allows airtightness to be achieved on wood-based products and mineral subsurfaces – e.g. on the exterior side of unplastered (fair-faced) masonry or concrete components with joints. It fulfils the requirements of the Central Association of the German Roofing Trade (ZVDH) for temporary coverings on roofs for the specified time period. Temporary protection for ceilings/floors during construction: thanks to its full-surface adhesion, this product provides temporary protection for intermediate ceilings and floors on multi-storey CLT (cross-laminated timber) or woodenframe buildings during the construction period.

Advantages

- ✓ Protects the structure: diffusion-open and maximum protection against driving rain
- Keeps building components dry by means of a pore-free moisture-active functional membrane
- Easy and reliable installation thanks to its split release film sticks immediately to subsurfaces that have sufficient stability
- Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✓ Up to 5 months of outdoor exposure



System core components



SOLITEX ADHERO 1000/3000 Full-contact self-adhesive, protects walls and intermediate ceilings/floors against moisture



TESCON VANA
Provides permanent, reliable adhesion
that is airtight and rainproof – both
indoors and outdoors



ORCON F Creates reliable joints with rough or mineral adjacent building components



ADHERO Floor Drain Facilitates simple, reliable drainage of temporary sealing during the construction period



Sealing of floors during the construction period





Installation steps

Detailed installation steps for the sealing of floors during the construction period can be found here:





Airtightness and weather protection for walls





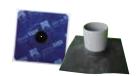
Installation steps

Detailed installation steps for airtightness and weather protection for walls can be found here:





Supplementary products for detail solutions



KAFLEX / ROFLEX Allows for quick, reliable joints to cables and pipes



TESCON PRIMER RP / TESCON SPRIMER Primes and strengthens subsurfaces in a simple, quick and permanently reliable manner



AEROFIXX For easy spraying as part of the AEROSANA system



AEROSANA VISCONN / AEROSANA VISCONN FIBRE Easy-to-use, time-saving system for creating joints



AEROSANA FLEECE

Seals holes of up to a maximum of 70 mm in diameter and joints (e.g. for roof refurbishment from the outside) within the AEROSANA VISCONN system







SOLITEX® ADHERO 1000/3000 Light/medium-weight, full-surface adhesive, permeable airtightness and weathering-protection

PRESSFIX XL

Pressing aid for pro clima SOLITEX ADHERO

Technical data

SOLITEX ADHERO 1000 SOLITEX ADHERO 3000	reclinical data				
Membrane monolithic TEEE monolithic TEEE Adhesive special acrylate adhesive 250 for coate PE film, split 250 for split 260 for split		SOLITEX ADHERO 1000	SOLITEX ADHERO 3000		
Adhesivespecial acrylate adhesivespecial acrylate adhesiveRelease filmsilicone-coated PE film, split 25/125 cm (~10"/49")silicone-coated PE film, split 25/125 cm (~10"/49")AttributeValueValueColourdark bluedark blueSurface weight180 g/m²; 0.59 oz/ft²240 g/m²; 0.79 oz/ft²Thickness0.55 mm; 22 mils0.70 mm; 28 milsWater vapour resistance factor μ545570Sa value / humidity variable0.30 m/-0.40 m/0.3 - 0.8 mVapour permeance / humidity variable1.5 MN·s/g/-2.0 MN·s/g / 1.5 - 4 MN·s/gVapour permeance / humidity variable11 US perms / -7 US perms / 4.1 - 11 US permsFire ratingEEOutdoor exposure for pitched roofs3 monthswith pitch ≥14*: 4 monthsOutdoor exposure protection for floor during construction4 weeks4 weeksWater column10 000 mm; 32' 10"10 000 mm; 32' 10"Water tightness non-aged/aged*W1 / W1W1 / W1Airtightness-passedTensile strength MD/CD200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 23 lb/in / 11 lb/in29 lb/in / 23 lb/inElongation MD/CD aged*140 N/5 cm / 100 N/5 cm; 190 N/5 cm / 160 N/5 cm; 16 lb/in / 11 lb/in22 lb/in / 18 lb/inElongation MD/CD aged*35 % / 25 %70 % / 70 %All tare resistance MD/CD75 % / 75 %70 % / 70 %Flexibility after artificial ageing at 100 °C; 212 °Fpassedpermanent -40 °C to 100 °C; -40 °FTemperature resistanceperm	Protective and covering fleece	Polypropylene microfibre	Polypropylene microfibre		
Release film silicone-coated PE film, split 25/125 cm (~10"/49") silicone-coated PE film, split 25/125 cm (~10"/49") Attribute Value Value Colour dark blue dark blue Surface weight 180 g/m²; 0.59 oz/ft² 240 g/m²; 0.79 oz/ft² Thickness 0.55 mm; 22 mils 0.70 mm; 28 mils Water vapour resistance factor μ 545 570 4 value / humidity variable 0.30 m/- 0.40 m/0.3 - 0.8 m 9 value / humidity variable 1.5 MN-s/g / - 2.0 MN-s/g / 1.5 - 4 MN-s/g Vapour permeance / humidity variable 11 US perms / - 7 US perms / 4.1 - 11 US perms Fire rating E E Outdoor exposure for pitched roofs 3 months with pitch ≥14°: 4 months Outdoor exposure walls 3 months 5 months Outdoor exposure protection for floor 4 weeks 4 weeks Water column 10 000 mm; 32' 10" 10 000 mm; 32' 10" Water tolumn 10 000 mm; 32' 10" 10 000 mm; 32' 10" Water tightness non-aged/aged* W1 / W1 W1 / W1 Tensile strength MD/CD 200 N/5 cm	Membrane	monolithic TEEE	monolithic TEEE		
Attribute Value Value Colour dark blue dark blue Surface weight 180 g/m²; 0.59 oz/ft² 240 g/m²; 0.79 oz/ft² Thickness 0.55 mm; 22 mils 0.70 mm; 28 mils Water vapour resistance factor μ 545 570 s₁ value / humidity variable 0.30 m/ - 0.40 m/ 0.3 - 0.8 m g value / humidity variable 1.5 MN·s/g / - 2.0 MN·s/g / 1.5 - 4 MN·s/g Vapour permeance / humidity variable 11 US perms / - 7 US perms / 4.1 - 11 US perms Fire rating E E Outdoor exposure for pitched roofs 3 months with pitch ≥14*: 4 months Outdoor exposure protection for floor 4 weeks 4 weeks during construction 4 weeks 4 weeks Water column 10 000 mm; 32' 10" 10 000 mm; 32' 10" Water tightness non-aged/aged* W1 / W1 W1 / W1 Airtightness - passed Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 250 N/5 cm / 250 N/5 cm; 250 N/5 cm / 160 N/5 cm; 16 lb/in / 11 lb/in 29 lb/in / 23 lb/in Elongation MD/CD aged* 140 N/5	Adhesive	special acrylate adhesive	special acrylate adhesive		
Colour dark blue dark blue Surface weight 180 g/m²; 0.59 oz/ft² 240 g/m²; 0.79 oz/ft² Thickness 0.55 mm; 22 mils 0.70 mm; 28 mils Water vapour resistance factor μ 545 570 54 yalue / humidity variable 0.30 m/- 0.40 m/0.3 - 0.8 m g value / humidity variable 1.5 MN·s/g / - 2.0 MN·s/g / 1.5 - 4 MN·s/g Vapour permeance / humidity variable 11 US perms / - 7 US perms / 4.1 - 11 US perms Fire rating E E Outdoor exposure for pitched roofs 3 months with pitch ≥ 14°: 4 months Outdoor exposure walls 3 months 5 months Outdoor exposure protection for floor 4 weeks 4 weeks during construction 4 weeks 4 weeks Water tightness non-aged/aged* W1 / W1 W1 / W1 Water tightness - passed Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 16 lb/in / 17 lb/in 29 lb/in / 23 lb/in Tensile strength MD/CD aged* 140 N/5 cm / 100 N/5 cm; 190 N/5 cm / 160 N/5 cm;	Release film				
Surface weight 180 g/m²; 0.59 oz/ft² 240 g/m²; 0.79 oz/ft² Thickness 0.55 mm; 22 mils 0.70 mm; 28 mils Water vapour resistance factor μ 545 570 s₄ value/ humidity variable 0.30 m/— 0.40 m/o.3 - 0.8 m g value / humidity variable 1.5 MN·s/g / — 2.0 MN·s/g / 1.5 - 4 MN·s/g Vapour permeance / humidity variable 11 US perms / — 7 US perms / 4.1 - 11 US perms Fire rating E E Outdoor exposure for pitched roofs 3 months with pitch ≥14°: 4 months Outdoor exposure walls 3 months 5 months Outdoor exposure walls 3 months 4 weeks during construction 4 weeks 4 weeks Water tightness non-aged/aged* W1 / W1 W1 / W1 Water tightness non-aged/aged* W1 / W1 W1 / W1 Airtightness — passed Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 23 lb/in / 17 lb/in 29 lb/in / 23 lb/in Tensile strength MD/CD aged* 140 N/5 cm / 100 N/5 cm; 190 N/5 cm;	Attribute	Value	Value		
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Water vapour resistance factor μ 545 570 s_a value / humidity variable 0.30 m/− 0.40 m/0.3 − 0.8 m g value / humidity variable 1.5 MN·s/g / − 2.0 MN·s/g / 1.5 − 4 MN·s/g Vapour permeance / humidity variable 11 US perms / − 7 US perms / 4.1 − 11 US perms Fire rating E E Outdoor exposure for pitched roofs 3 months with pitch ≥14°: 4 months Outdoor exposure walls 3 months 5 months Outdoor exposure protection for floor during construction 4 weeks 4 weeks Water column 10 000 mm ; 32′ 10″ 10 000 mm ; 32′ 10″ Water tightness non-aged/aged* W1 / W1 W1 / W1 Airtightness − passed Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 23 lb/in / 17 lb/in 29 lb/in / 23 lb/in Tensile strength MD/CD aged* 140 N/5 cm / 100 N/5 cm; 250 N/5 cm / 160 N/5 cm; 16 lb/in / 11 lb/in 29 lb/in / 23 lb/in 29 lb/in / 23 lb/in Elongation MD/CD aged* 35 % / 25 % 40 % / 50 % Nail tear resistance MD/CD	Surface weight	180 g/m² ; 0.59 oz/ft²	240 g/m² ; 0.79 oz/ft²		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Thickness	0.55 mm ; 22 mils	0.70 mm ; 28 mils		
g value / humidity variable Vapour permeance / humidity variable 11 US perms / — 7 US perms / 4.1 – 11 US perms Fire rating E Outdoor exposure for pitched roofs 3 months with pitch ≥14°: 4 months Outdoor exposure walls 3 months 5 months Outdoor exposure protection for floor during construction Water column 10 000 mm; 32′ 10″ Water tightness non-aged/aged* W1 / W1 Airtightness — passed Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 23 lb/in / 17 lb/in 29 lb/in / 23 lb/in Flongation MD/CD aged* 140 N/5 cm / 100 N/5 cm; 190 N/5 cm; 190 N/5 cm; 16 lb/in / 11 lb/in Elongation MD/CD aged* 35 % / 25 % Nail tear resistance MD/CD 120 N / 200 N ; 27 lbf / 45 lbf *) Durability after artificial ageing at 100 °C; 212 °F Temperature resistance permanent -40 °C to 100 °C; -40 °F Femperature resistance permanent -40 °C to 100 °C; -40 °F Thermal conductivity 0.04 W/(m·K); 0.3 BTU-in/(h·ft²-F) Roof lining membrane UDB-B UDB-A Temporary roof covering; suitable as Vita MN-s/g Ten NN-s/g Ten Nn-s/s Nn-s-T Nn-ser Nn-ser Nn-shall Ten Nn-s/g Ten Nn-s/g Ten Nn-s/s Ten Nn-s/g Ten Nn-s/s Nn-s-T Nn-shall Ten Nn-s/g Ten Nn-ser Nn-shall Ten Nn-s/g Ten Nn-ser Nn-shall Ten Nn-s/g Ten Nn-ser Nn-shall Ten Nn-ser	Water vapour resistance factor μ	545			
Vapour permeance / humidity variable11 US perms / -7 US perms / 4.1 - 11 US permsFire ratingEEOutdoor exposure for pitched roofs3 monthswith pitch ≥14°: 4 monthsOutdoor exposure walls3 months5 monthsOutdoor exposure protection for floor during construction4 weeks4 weeksWater column10 000 mm; 32′ 10″10 000 mm; 32′ 10″Water tightness non-aged/aged*W1 / W1W1 / W1Airtightness-passedTensile strength MD/CD200 N/5 cm / 150 N/5 cm; 250 N/5 cm / 200 N/5 cm; 23 lb/in / 17 lb/in29 lb/in / 23 lb/inTensile strength MD/CD aged*140 N/5 cm / 100 N/5 cm; 190 N/5 cm / 160 N/5 cm; 16 lb/in / 11 lb/in22 lb/in / 18 lb/inElongation MD/CD75 % / 75 %70 % / 70 %Biongation MD/CD aged*35 % / 25 %40 % / 50 %Nail tear resistance MD/CD120 N / 200 N ; 27 lbf / 45 lbf170 N / 220 N ; 38 lbf / 49 lbf*) Durability after artificial ageing at 100 °C ; 212 °FpassedFlexibility at low temperature-40 °C ; -40 °F-40 °C ; -40 °FTemperature resistancepermanent -40 °C to 100 °C ; permanent -40 °C to 100 °C ; -40 °F to 212 °FThermal conductivity0.04 W/(m·K) ; 0.3 BTU-in/(h·ft²-F)0.3 BTU-in/(h·ft²-F)Roof lining membraneUDB-BUDB-ATemporary roof covering; suitable asyesyes	s _d value/humidity variable	0.30 m/-	0.40 m/0.3 - 0.8 m		
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Tensile strength MD/CD 200 N/5 cm / 150 N/5 cm ; 250 N/5 cm / 200 N/5 cm ; 23 lb/in / 17 lb/in 29 lb/in / 23 lb/in Tensile strength MD/CD aged* 140 N/5 cm / 100 N/5 cm ; 190 N/5 cm / 160 N/5 cm ; 16 lb/in / 11 lb/in 22 lb/in / 18 lb/in Elongation MD/CD 75 % / 75 % 70 % / 70 % Elongation MD/CD aged* 35 % / 25 % 40 % / 50 % Nail tear resistance MD/CD 120 N / 200 N ; 27 lbf / 45 lbf 170 N / 220 N ; 38 lbf / 49 lbf *) Durability after artificial ageing at 100 °C ; 212 °F passed Flexibility at low temperature -40 °C ; -40 °F -40 °C ; -40 °F Temperature resistance permanent -40 °C to 100 °C ; permanent -40 °C to 100 °C ; Thermal conductivity 0.04 W/(m·K) ; 0.04 W/(m·K) ; 0.3 BTU-in/(h·ft²-F) 0.3 BTU-in/(h·ft²-F) Roof lining membrane UDB-B UDB-A Temporary roof covering; suitable as yes	Water tightness non-aged/aged*	W1 / W1	W1 / W1		
23 b/in / 17 b/in 29 b/in / 23 b/in		_			
Thermal conductivity 16 b/in 11 b/in 22 b/in 18 b/in 22 b/in 18 b/in 25 b/in 18 b/in 25 b/in 18 b/in 26 b/in 18 b/in 27 b/in 27 b/in 28 b/in 29 b/in 20	Tensile strength MD/CD				
Elongation MD/CD $75 \% / 75 \%$ $70 \% / 70 \%$ Elongation MD/CD aged* $35 \% / 25 \%$ $40 \% / 50 \%$ Nail tear resistance MD/CD $120 \text{ N} / 200 \text{ N}$; $27 \text{ lbf} / 45 \text{ lbf}$ $170 \text{ N} / 220 \text{ N}$; $38 \text{ lbf} / 49 \text{ lbf}$ *) Durability after artificial ageing at $100 ^{\circ}\text{C}$; $212 ^{\circ}\text{F}$ passedFlexibility at low temperature $-40 ^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ $-40 ^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ Temperature resistancepermanent $-40 ^{\circ}\text{C}$ to $100 ^{\circ}\text{C}$; permanent $-40 ^{\circ}\text{C}$ to $100 ^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ to $212 ^{\circ}\text{F}$ Thermal conductivity $0.04 ^{\circ}\text{M/(m·K)}$; $0.04 ^{\circ}\text{M/(m·K)}$; $0.3 ^{\circ}\text{BTU-in/(h·ft^2·F)}$ Roof lining membraneUDB-BUDB-ATemporary roof covering; suitable asyesyes	Tensile strength MD/CD aged*	140 N/5 cm / 100 N/5 cm ;	190 N/5 cm / 160 N/5 cm ;		
Elongation MD/CD aged* $35\%/25\%$ $40\%/50\%$ Nail tear resistance MD/CD $120 \text{ N}/200 \text{ N}$; $27 \text{ lbf}/45 \text{ lbf}$ $170 \text{ N}/220 \text{ N}$; $38 \text{ lbf}/49 \text{ lbf}$ *) Durability after artificial ageing at $100 ^{\circ}\text{C}$; 212°F passedFlexibility at low temperature -40°C ; -40°F -40°C ; -40°F Temperature resistancepermanent -40°C to 100°C ; permanent -40°C to 100°C ; -40°F to 212°F Thermal conductivity 0.04 W/(m·K) ; 0.04 W/(m·K) ; $0.3 \text{ BTU-in/(h·ft²-F)}$ Roof lining membraneUDB-BUDB-ATemporary roof covering; suitable asyesyes		16 lb/in / 11 lb/in	22 lb/in / 18 lb/in		
Nail tear resistance MD/CD 120 N / 200 N ; 27 lbf / 45 lbf 170 N / 220 N ; 38 lbf / 49 lbf *) Durability after artificial ageing at 100 °C ; 212 °F passed passed Flexibility at low temperature $ -40 \text{ °C }; -40 \text{ °F } -40 \text{ °F } -40 \text{ °C }; -40 \text{ °F } -40 \text{ °F }; -40 \text{ °C }; -40 \text{ °F }; -40 \text{ °C }$	Elongation MD/CD	75 % / 75 %	70 % / 70 %		
*) Durability after artificial ageing at 100 °C; 212 °F passed passed Flexibility at low temperature -40 °C; -40 °F -40 °C; -40 °F Temperature resistance permanent -40 °C to 100 °C; permanent -40 °C to 100 °C; -40 °F to 212 °F Thermal conductivity 0.04 W/(m·K); 0.04 W/(m·K); 0.3 BTU·in/(h·ft²·F) Roof lining membrane UDB-B UDB-A Temporary roof covering; suitable as yes yes					
Flexibility at low temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	· · · · · · · · · · · · · · · · · · ·	120 N / 200 N ; 27 lbf / 45 lbf	170 N / 220 N ; 38 lbf / 49 lbf		
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Flexibility at low temperature	-40 °C ; -40 °F			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Temperature resistance	permanent -40 °C to 100 °C;	permanent -40 °C to 100 °C;		
Roof lining membraneUDB-BUDB-ATemporary roof covering; suitable asyesyes					
Roof lining membrane UDB-B UDB-A Temporary roof covering; suitable as yes yes	Thermal conductivity	0.04 W/(m·K) ;	0.04 W/(m·K) ;		
Temporary roof covering; suitable as yes yes					
<u> </u>		UDB-B	UDB-A		
CE labelling avaiable avaiable	. ,	,	yes		
	CE labelling	avaiable	avaiable		

Forms of delivery

Product	Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
SOLITEX ADHERO 1000	1AR02757	4026639227577	30 m	1.50 m	45 m2	8.5 kg	1	24
SOLITEX ADHERO 3000	1AR01513	4026639215130	30 m	1.50 m	45 m2	12 kg	1	24

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

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For stockist information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com



