



A Tata Steel Enterprise

Product overview

Sandwich panels and
profiled sheets

Sandwich Panels

Wind- and watertight in a single construction phase

Sandwich panels are ideal when you want to build quickly or when high insulation values are important. They are an economical choice, score highly in terms of sustainability, and their low weight makes them suitable for a wide range of applications. From an aesthetic perspective, SAB sandwich wall panels offer extensive design flexibility. They are available in many profiles, coatings, and colours.

SAB wall panels can also be used as carrier panels, serving as an insulating, watertight, and structural substrate for various curtain wall systems.

Whether for new construction or renovation, SAB roof panels are the ideal solution for any warehouse, shed, barn, or stable with a pitched roof.

Sandwich panels at a glance

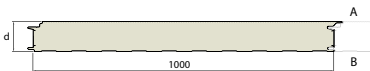
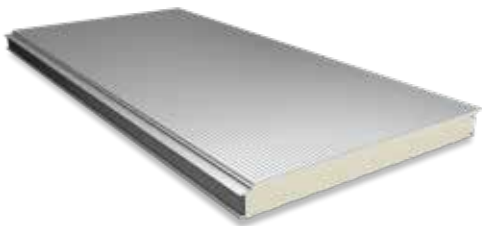
- Excellent insulation performance due to the absence of thermal bridges.
- Prefabricated building elements: fast and trouble-free installation with minimal risks on site.
- Supports circular construction through demountable fixing systems.
- Wind- and watertight in a single construction phase, including both interior and exterior finishing.
- Optimal airtightness thanks to a high-quality sealing tape in the joint.
- Fire-safe through the use of the latest PIR technology.
- Lightweight: 10 to 16 kg/m² (depending on thickness and configuration). This allows the supporting structure and foundation to remain lightweight as well.
- Sound insulation value of 26 dB.
- Available in a wide range of coatings and colours.



View the entire range here with all specifications.

Wall panels

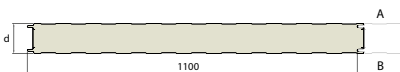
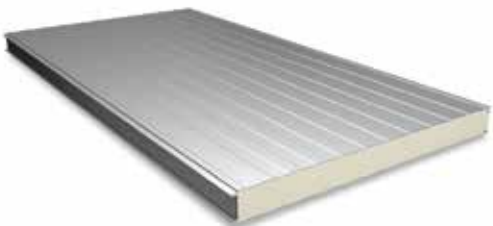
Secret fixed



	NL
	L (m)
SAB WB 60.1000 M8L-M16L-LL	16
SAB(-Carrier) WB 80.1000 M8L-M16L-LL	16
SAB(-Carrier) WB 100.1000 (FR) M8L-M16L-LL	16
SAB(-Carrier) WB 120.1000 (FR) M8L-M16L-LL	16
SAB(-Carrier) WB 140.1000 (FR) M8L-M16L-LL	16

SAB WB-FA serie is met FM Approval

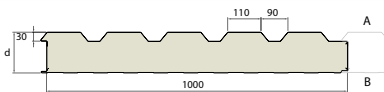
Visible fixed



	NL
	L (m)
SAB W 40.1100 M8L-M16L-LL	16
SAB W 60.1100 M8L-M16L-LL	16
SAB(-Carrier) W 80.1100 M8L-M16L-LL	16
SAB(-Carrier) W 100.1100 (FR) M8L-M16L-LL	16
SAB(-Carrier) W 120.1100 (FR) M8L-M16L-LL	16
SAB(-Carrier) W 150.1100 (FR) M8L-M16L-LL	16

SAB W-FA serie is met FM Approval

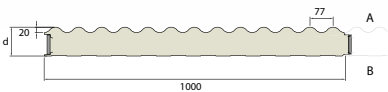
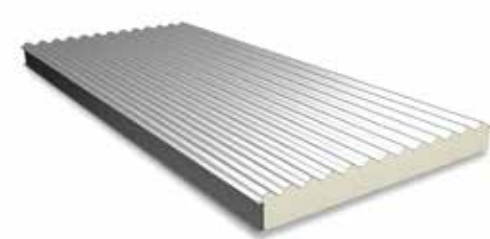
Trapezoidal



SAB(-Carrier) W(-FA) 95.1000 (FR) TL
SAB(-Carrier) W(-FA) 135.1000 (FR) TL

NL
L (m)
16
16

Sinusoidal

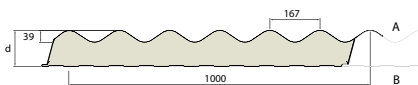


SAB W(-FA) 120.1000 SL

NL
L (m)
16

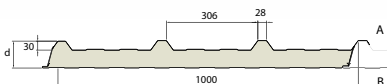
Roof panels

Sinusoidal



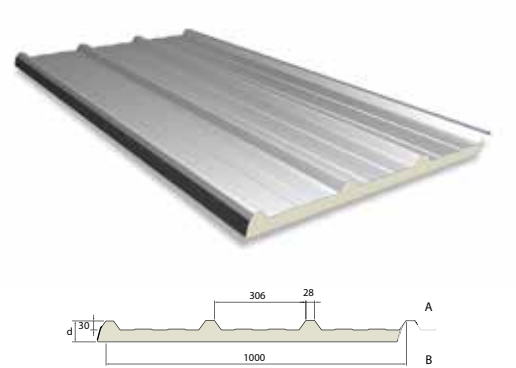
	NL
	L (m)
SAB D 83.1000 SL	25
SAB D 120.1000 SL	25
SAB D 160.1000 SL	25

Trapezoidal



	NL
	L (m)
SAB(-Carrier) D(-FA) 70.1000 TL	25
SAB(-Carrier) D(-FA) 90.1000 (FR) TL	25
SAB(-Carrier) D(-FA) 110.1000 (FR) TL	25
SAB(-Carrier) D(-FA) 130.1000 (FR) TL	25
SAB(-Carrier) D(-FA) 160.1000 (FR) TL	25

Eco



SAB D 70.1000 TG
SAB D 83.1000 SG

NL
L (m)
18
18

Translucent

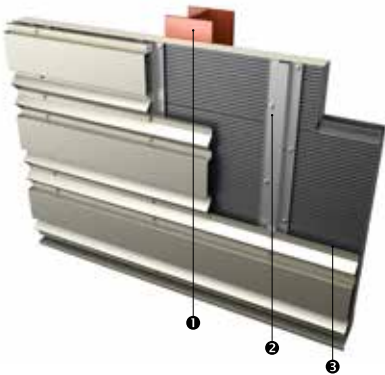


SAB-Vision
SAB-Victory
SAB-Vista PC

NL
L (m)
8,5
8,5
5,0

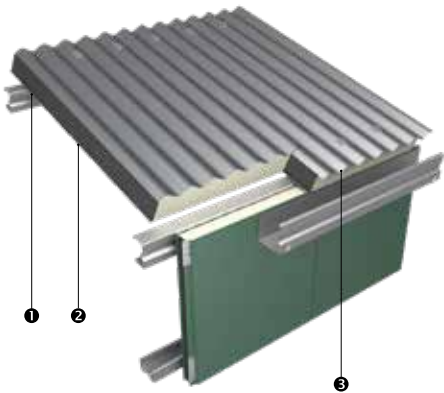
Construction Build-Up

Wall System



- 1) Direct installation of the SAB carrier panel onto the supporting structure.
- 2) Omega profile for mounting the curtain wall system onto the SAB carrier panel.
- 3) Profile sheets can be installed in any desired orientation.

Roof System



- 1) Installation of SAB roof panels onto the purlins.
- 2) No condensation formation.
- 3) The clean overlap design eliminates the need for on-site finishing or post-processing.

For more build-up examples, please visit the SAB website.

Profiled Sheets

As a proven, reliable, and straightforward product, steel profiled sheets require little introduction. They are valued both for their functional performance and their aesthetic appeal.

Traditional corrugated sheets and trapezoidal profiles continue to be appreciated for their practicality. More recent architectural profiles have also earned their place in modern architecture, offering a clean appearance and distinctive lines that complement a sustainable building aesthetic—an increasingly important consideration for many people.

Profiled steel sheets combine well with a wide range of other building materials, making them suitable for virtually any environment. Facade sheets can be mounted on SAB liner trays or SAB carrier panels.

Liner trays are widely used as the basis for a well-insulated metal façade, particularly where fire resistance and acoustic performance are important. The combination of glass wool or mineral wool insulation with either perforated or non-perforated liner trays ensures optimal performance. Combining façade sheets with liner trays creates a widely used and proven wall build-up system.

Strong, cost-effective, and highly durable, cold roof sheets provide the perfect finishing solution for unheated roofs.

As load-bearing elements for insulated roof systems, warm roof sheets primarily serve a structural function. They allow for large spans and, when improved acoustic performance is required, the roof sheets can be perforated.

Key Benefits

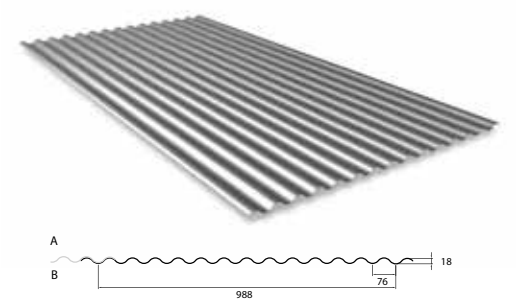
- Extensive range of profiles, shapes, and colours.
- Excellent price-to-quality ratio.
- Suitable for Industrial, Flexible, and Demountable Construction.
- Contributes positively to BREEAM certification scores.
- High fire resistance and excellent acoustic properties.



View the entire range here with all specifications.

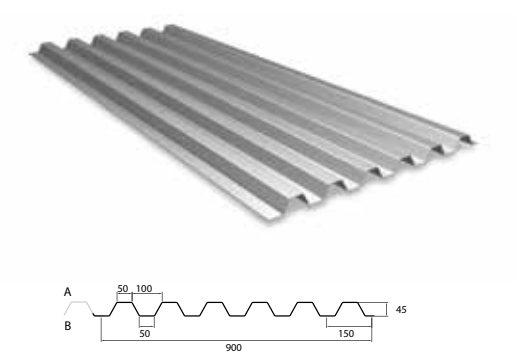
Wall cladding

Sinusoidal



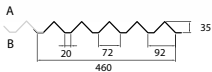
	NL	DE
	L (m)	L (m)
SAB 18/988 (2 overlaps)	15,2	21,9
SAB 18/1064 (1 overlap)	15,2	21,9
SAB 27/1000	15,2	
SAB 42/960	15,2	

Trapezoidal



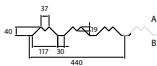
	NL	DE
	L (m)	L (m)
SAB 19/1050	15,6	
SAB 30/1100	15,6	21,9
SAB 35/1035	15,6	21,9
SAB 40/915	15,2	21,9
SAB 45/900	15,2	
SAB 50/1000	15,6	

Essential – Delta



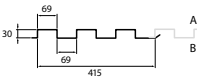
	NL
	L (m)
SAB-Pyramid 19/470-19/944	7,5- 6,0
SAB-Pyramid 19/520-19/1040	7,5- 6,0
SAB-Pyramid 25/485-25/972	7,5- 6,0
SAB-Pyramid 37/460-37/920	7,5- 6,0
SAB-Pyramid 37/510-37/1020	7,5- 6,0
SAB-Pyramid 50/440-50/881	7,5- 6,0
SAB-Tribune 22/500-22/1000	7,5- 6,0

Architect - Special



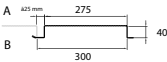
	NL
	L (m)
SAB-Diamond 40/440	7,5
SAB-Pagode 40/450	7,5
SAB-Salsa 40/350	6,0

Allure - Block



	NL
	L (m)
SAB-Block 23/430	6,0
SAB-Block 30/415	6,0
SAB-Merlon 30/410	6,0
SAB-Merlon 30/415-75	6,0
SAB-Merlon 30/415-100	6,0
SAB-Merlon 30/460	6,0
SAB-Robusta 43/440 A-B-C	7,5

Allure - Others



	NL
	L (m)
SAB-PZ 40/300	7,5
SAB-Vinex 42/423	6,0
SAB-Vinex 59/413	6,0
SAB-Wave 25/512	7,5
SAB-Wave 32/513	7,5

Liner Trays




	NL
	L (m)
SAB B90/500	18,3
SAB B90/600	18,3
SAB B100/600	18,3
SAB B110/600	18,3

Liner Trays

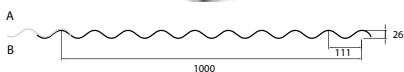



	NL	DE
	L (m)	L (m)
SAB B120/600	18,3	18,0
SAB B130/600	18,3	18,0
SAB B140/600	18,3	
SAB B145/600	18,3	18,0
SAB B160/600	18,3	18,0
SAB B180/600		18,0

All liner trays are available with sealing tape and in perforated version, see SAB website

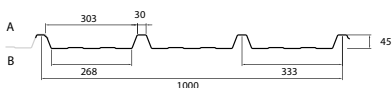
Shallow Deck

Sinusoidal



	NL	DE
	L (m)	L (m)
SAB 18/988	15,2	21,9
SAB 27/1000	15,2	
SAB 42/960	15,2	

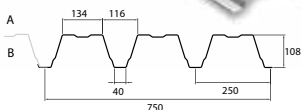
Trapezoidal



	NL	DE
	L (m)	L (m)
SAB 19KD/1050	15,6	
SAB 30KD/1050-S	15,6	
SAB 45KD/1000	15,6	
SAB 45KD/1000-S		21,9
SAB 58KD/945-S	15,6	

Deep deck

Trapezoidal



	NL	DE
	L (m)	L (m)
SAB 35R/1035	15,2	
SAB 40R/915	15,2	
SAB 50R/1000	15,2	
SAB 70R/800	24,5	
SAB 85R/1120	24,6	25,4
SAB 89R/915		21,9
SAB 100R/825		21,9
SAB 106R+/750	24,5	

Trapezoidal

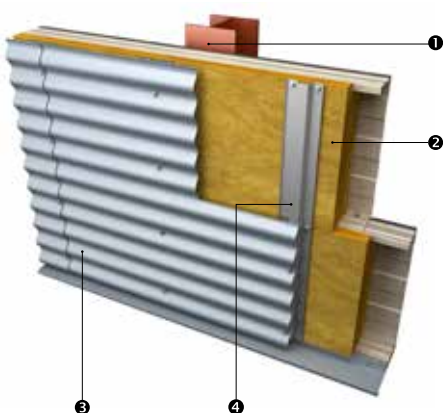


	NL	DE
	L (m)	L (m)
SAB (FA) 135R/930	24,6	25,4
SAB (FA) 153R/840	27,5	
SAB 155R/840		24,6
SAB (FA) 158R/750	27,5	
SAB 160R/750		24,6
SAB (FA) 200R/750	27,5	
SAB 200R/840		24,6

All deep deck profiles available in perforated version.
 Drainage holes and 350 N/m² on request, see SAB website.

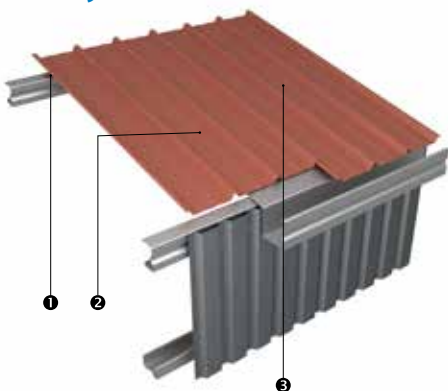
Construction Build-Up

Wall System



- 1) Installation of the liner tray onto the supporting structure.
- 2) Mineral wool insulation for thermal performance, acoustic insulation, and fire resistance.
- 3) The profiled steel sheets can be installed either horizontally or vertically and are available in a wide variety of profiles and colours.
- 4) For horizontal installation of the profiled sheets, an omega profile is used.

Roof System



- 1) Installation of SAB cold roof sheets onto the purlins.
- 2) Efficient water drainage through a specially designed profile.
- 3) Long service life thanks to a premium coating system.

For more build-up examples, please visit the SAB website.

The perfect fit

www.sabprofiel.com

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