

UNILINK 4431 H+

Article number: 3446

Saint-Gobain® Biolink® unilink 4431 h+ is a transparent, double-sided adhesive tape.

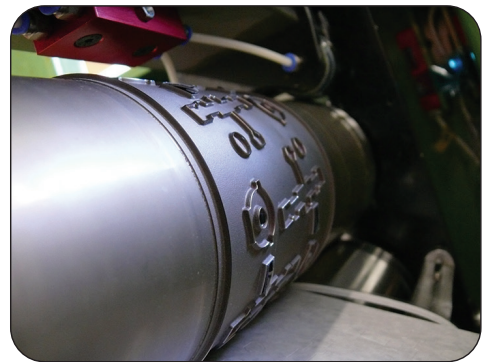
The modified acrylate adhesive is durable, pressure sensitive and offers high adhesive strength on low and high energy surfaces. The carrier film guarantees very good distortion stability and enables dimensional stabilization of the materials to be bonded.

Features/Benefits

- High tack
- Good shear strength
- Excellent resistance to aging, weathering and temperature

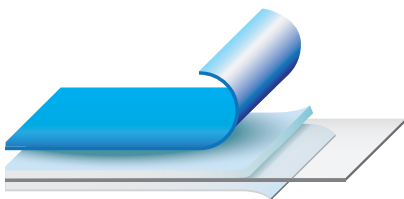
Tape construction

The following specifications are **Biolink** standard materials and thicknesses. Deviating thickness dimensions and an adaptation of the materials are possible on request.



APPLICATIONS

- Stamped parts
- Signboard bonding
- Advertising industry



Total thickness: 0,32 mm

	Material	Color	Thickness
Liner	PP	Blue	0,125 mm
Adhesive	Modified acrylic	Transparent	0,15 mm
Carrier	Polyester foil	Transparent	0,023 mm
Adhesive	Modified acrylic	Transparent	0,15 mm
Liner	-	-	-

Available sizes



The following information is the **Biolink** standard roll size. Other roll dimensions are available on request.

	50 lm*	100 lm	250 lm	500 lm	1000 lm
1050 mm	-	-	-	-	-
1270 mm	(•)	•	-	(•)	-
1450 mm	-	-	-	-	-

*Linear metre

Technical data

All tests were performed under standard test conditions. The values given here are typical values and should not be used for specification purposes.

Characteristics	Test method	In accordance to	Value
180° peel adhesion on steel at 20°C		AFERA 5001	LS: 35 N/25mm
			OS: 35 N/25mm
Static shear strength at 20°C		AFERA 5012	LS: 45 N/625mm ²
			OS: 45 N/625mm ²
Operating temperature range	-	-	-40°C to +120°C
Short-term temperature application range	-	-	Up to +150°C

Important instructions

- It is not possible for **Saint-Gobain** to foresee or monitor every application of our products. We therefore strongly recommend that the product is tested under the respective application conditions before commercial use.
- The surfaces to be bonded to must be clean, dry and free of oil, grease, dust and dirt. We recommend cleaning with isopropyl alcohol.
- Apply adhesive tape with uniform pressure of 100-150 kPa to ensure good contact between the tape and the material to be bonded. The application temperature should be between 15°C and 40°C. It is not recommended to use below 15°C as the adhesive is too strong at low temperatures and may not bond optimally.
- Adhesive strength builds up slowly after application, and final adhesion is typically achieved after 72 hours. Adhesive build up can be accelerated by heating to above 40°C.
- Shelf life: Up to 12 months after purchase when stored in the original packaging under temperatures up to 21°C and 50% relative humidity. Avoid direct sunlight and large temperature fluctuations.
- The values listed in the data sheet are average values. The values are not binding, do not constitute a guarantee and are therefore not intended for technical specifications.
- Unless specifically negotiated, we reserve the right to use raw material from more than one source whilst maintaining a commercial match within the terms of this data sheet.



Saint-Gobain Tape Solutions

North America | South America | Europe | Asia

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 24 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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