

VHB Acrylic Tapes

VHB™ High Strength Acrylic Tapes HB™

The 3M™ company has been leading the changes in the manufacturing and industry process technologies for more than 25 years. Our high strength acrylic tapes are a highly efficient and economical alternative of the traditional mechanical bonding systems. They demand minimal or no investments in equipment. Your products will be bonded in a fast and reliable way, they will acquire a better appearance and they will be more resistant to corrosion and the weather.

Using VHB tapes means no need for fasteners, rivets, welding or drilling.

A VHB tape differs from common foam tapes by not having a carrier. It is 100% acryl, which means it has an excellent cohesion strength.

The tape is pressure sensitive and a sheer pressure of your hand is enough for the bond to be of high quality.



Why choose a VHB?

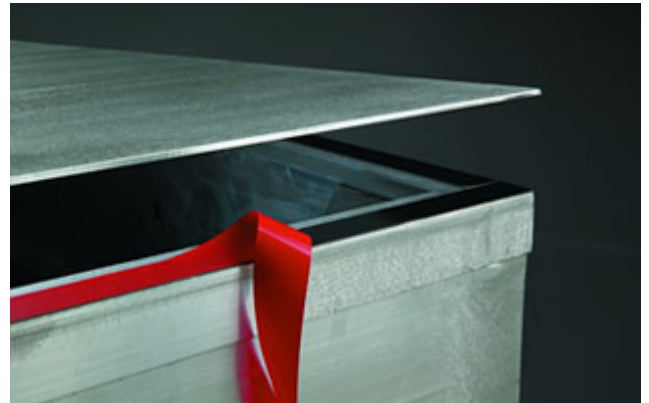
- A fast and a durable bond
- No drilling, no welding
- No need to smooth the bonds
- Final product with no seam
- Outstanding damping of vibrations and noise
- Homogeneous bond thickness
- Elegant and aesthetic appearance
- Excellent sealing features
- Resistant to UV light
- Resistant to chemicals



Financial advantages:

- No demand for equipment
- Fast fixing procedure
- No loss of material like when drilling or welding
- Lower costs of work

- No investments



Flexibility:

- Ideal products for metal, plastic and glass
- Bonding of different materials
- They enhance the design
- They compensate for different heat and other expansion
- It is possible to cut various forms

The range of 3M™ VHB™ High Strength Double Coated Tapes

	Type of VHB™	Thickness (mm)	Color	Characteristics
main group	4936	0.6	gray	This group of VHB tapes is the most frequent and reliable solution for most uses. These tapes are highly suitable for materials with high surface energy (HSE). They bond well to structured surfaces. A big advantage is the immediate bond with the surface. They can even bond to some powder coated surfaces.
	4941	1.1		
	4956	1.5		
	4991	2.2		
	4646	0.6		
	4611	1.1		
HSE materials	4613	1.1	gray	HSE (High Surface Energy) = materials with high surface tension. These tapes have the best features for metal. When the surface is prepared in a special way, they can be used for some plastics as well.
	4655	1.5	white	
	4930	0.64		
	4950	1.1		
	4912	2		
	4959	3		
for low temperatures	4943	1.1		gray
	4957	1.5		
	9460	0.05		
	9469	0.13		
clear	9473	0.25	transparent	These tapes are unique for their transparent colour which does not change even under UV light. Because of their perfect and aesthetic appearance, these tapes are very popular in the advertising industry.
	4905	0.5		
	4910	1		
	4915	1.5		
	4918	2		
special	4932	0.64	white	For surfaces with low surface energy (LSE).
	4945	1.1	white	Plasticizer resistant.