

Waterproof and airtight material for housing

ZENTEN TAPE EX-2

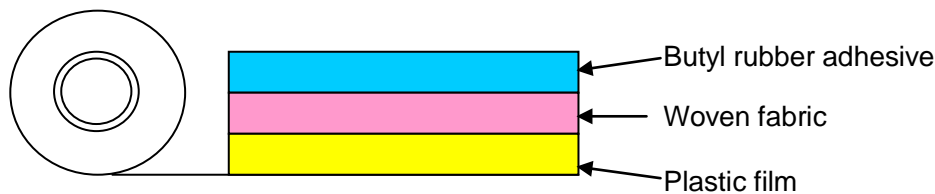
Outline

ZENTEN TAPE EX-2 is an airtight single-coated adhesive tape for indoor side usage.

It is suitable for creating airtight applications of joint parts of dampproof films, surface material foundations and penetration parts. This product does not have a release liner, can be cut by hand, and can offer excellent workability.

This tape uses a butyl rubber adhesive that offers good adhesive properties, airtight applications and durability.

Structure



ZENTEN TAPE EX-2

Applications

- Creating airtight applications for joint parts of dampproof films for housing.
- Creating airtight applications for joint penetration parts of surface material foundations.

Features

- Offers excellent airtight and durability
- As this product doesn't have a release liner, it is easy to handle and does not produce excess waste.
- Can be cut by hand and easy to work with.

Standard size

Item	Tape thickness [mm]	Width [mm]	Length [m]
ZENTEN Tape EX-2	0.38	50	20
		75	
		100	

Contact us for information concerning additional sizes.

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Properties

•General properties

Item		Unit	Measurement value	Test Method
Thickness		mm	0.38	Based on JIS Z 0237: 2000 version 180 degree peel adhesion Tensile speed: 300mm/min
Adhesion	Stainless steel plate	N/25mm	33	
	Plywood plate		19	
Tensile strength		N/10mm	64	
Elongation		%	8	
Water vapor transmission Water vapor transmission resistance		$\text{g/m}^2 \cdot 24\text{h}$ $\text{m}^2 \cdot \text{s} \cdot \text{pa/ng}$	1.5 380×10^{-3}	Based on JIS Z 0208

•Adhesion properties

Substrate	Adhesion(N/25mm)	Temperature
Stainless steel plate	39	0 deg.C
	33	23 deg.C
Plywood plate	10	0 deg.C
	19	23 deg.C

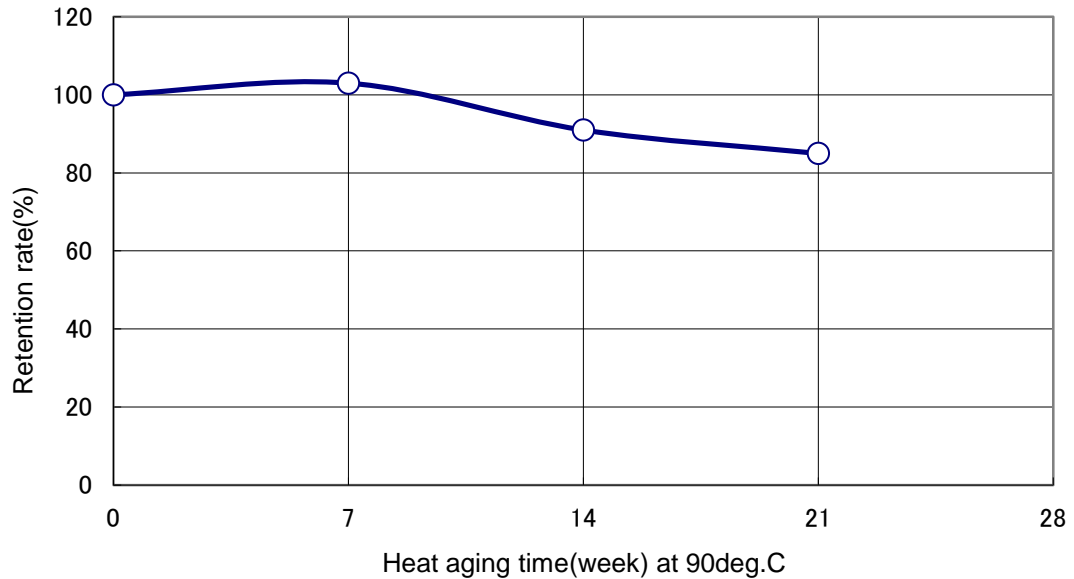
Remark: Adhesion force is measured at each temp condition based on JIS Z 0237:2000 version after being put on substrates above.

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● Adhesion durability to stainless steel after being exposed to heat

- Initial value : Adhesion =33 N/25mm
- Peel angle: 180 degree



Precautions

- Make sure your substrates surface is clean from oil and dust prior to application.
- When applying this tape on the substrate, apply pressure by hand or roller.
- During low temperatures, adhesion may increase by applying heat.
- Product should be stored in a place where direct sunlight will not affect it.

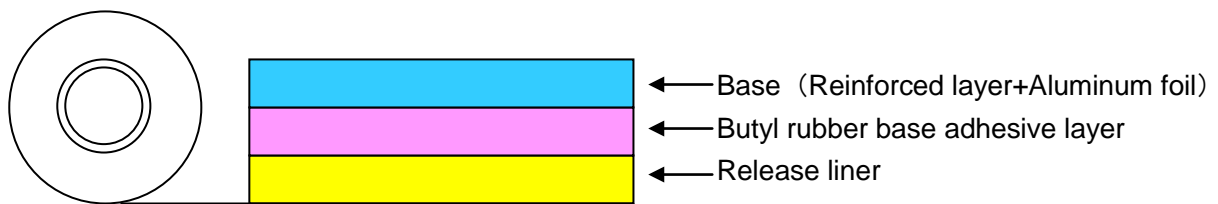
waterproofing and airtight material for housings

ZENTEN TAPE LA

Outline

ZENTEN TAPE LA is aluminum backed waterproof and air tight single-coated adhesive tape. The workability is good, because the substrate of this tape is butyl rubber base adhesive layer. The preferred method for sealing around joint and space which against air and water.

Structure



Structure 1: ZENTEN TAPE LA

Uses

- Airtight and water proof for joint part of cavity wall insulation
- Airtight and damp proof for joint part of damp proof film
- Airtight and water proof seal for panel penetration hall

Features

- Excellent adhesion to rough surface
- Excellent adhesion in low-temperature
- Less gas permeability
- Excellent waterproofing

Standard size

Fig.1 Standard size

Thickness (mm)	Width (mm)	Length (m)
0.50	50	20
	100	

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Performance

● General properties

Fig.2 below shows general properties

Fig2.

ITEMS		Measurement value	Test Method
Thickness (mm)		0.50	-
Adhesive force(N/25mm)	0°C	21	Based on JIS Z 0237:2000 180°peel adhesive force Peel speed 300mm/Min.
	23°C	26	
	40°C	19	
Tensile strength (N/10mm) Tensile elongation(%)		75 12	Based on JIS Z 0237:2000 Tensile speed 300mm 50mm/Min.
Permeable humidity(g/m ² ·24hr) Against permeable humidity (m ² ·s·Pa/ng)		0.09 6400×10 ⁻³	Based on JIS Z 0208

● Adhesion property to representative substrates

Fig.3 below shows adhesion property to representative substrates

Fig.3 Adhesion force to representative substrates (N/25mm)

Temp Substrate	Temperature dependency for adhesion force		
	0°C	23°C	40°C
Stainless board	21	26	19
ZENTEN LA	25	20	7
OSB	23	27	9

Remark: Adhesion force is measured at each temp condition based on JIS Z 0237:2000 after being put on substrates above.

● Adhesion durability performance

Below shows adhesion durability performance for stainless steel after being exposed to heat

- Initial value : Adhesion =26N/25mm

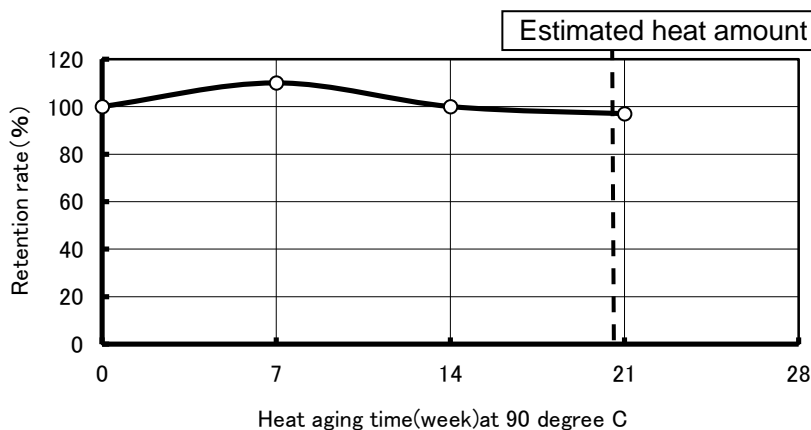


Fig2.adhesion durability performance

Notices

- Please make uneven surface flat as much as you can before putting on the substrate and make a clean for the substrate. And please remove dust, moisture and oily component on that.
- When putting this tape on the substrate, please press it strongly.
- At low temp in winter, will get good adhesion after heating up.
- Please store this tape in the place where direct sunshine does not reach

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