

Double coated adhesive tape

NO.525

Outline

NO.525 is a rubber type double coated adhesive tape.

This tape is easy to apply to coarse surfaces and has good adhesion to joint parts because the adhesive layer is composed of thick type butyl rubber.

The workability is good because the substrate of this tape is flexible and has a strong base cloth.

This tape has good durability, water-proof performance and anti-alkaline solution performance.

Structure

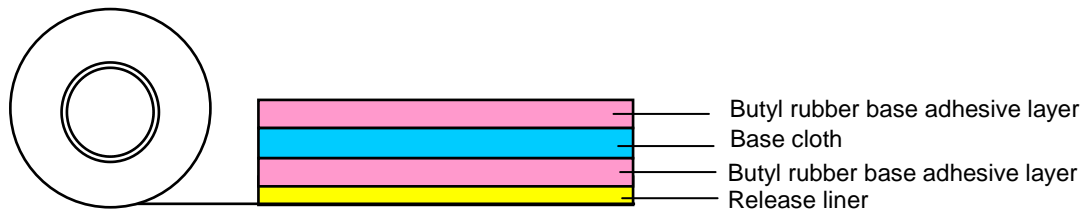


Fig1. Structure of NO.525

Uses

- Fixation for artificial turf
- Temporary fixation for panels like non-inflammable board, artificial turf, heat insulator, plywood
- Airtight seal for panel, joint part of inside walls, penetration hall
- Water proof seal for joint part of the building basis

Features

- Good for durability, adhesion to coarse surfaces, water-proof, water resistant, anti-alkaline solution
- Low contamination, low sagging for adhesive layer even in the summer time weather
- Good adhesion for complicated parts because this tape is flexible even in the winter time

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Standard size

Fig.1 standard size

	Thickness (mm)	Width (mm)	Length (m)
NO. 525	0.5	30	15
		50	
	1.0	30	
		50	

Performances

1. General properties

Fig.2 below shows general properties

Fig2

ITEMS		Measurement value	Test Method
Thickness (mm)		1.0	—
Adhesive force (N/25mm)	0°C	38	Based on JIS 0237 : 2000 180° peel for stainless steel
	23°C	53	
	40°C	18	
Shear adhesion (N/cm ²)	23°C	46	Adhesion test to shear direction
Retention force (min)	0°C	Over300	Hanging test piece with vertical position for adhesion area (10mmx20mm) and hooking a weight of 200g, measured the drop time.
	23°C	140	
	40°C	18	
Tensile strength (N/15mm)		59	Based on JIS 0237 : 2000
Tensile elongation (%)		8	

Remark: as No.525 is double coated tape, the adhesion force of both sides is the same.

2. Adhesion property to representative substrates

Fig3. Adhesion force to representative substrates (N/25mm)

Temp	Substrates	Temperature dependency for adhesion force			
		0°C	23°C	40°C	
	Stainless board	38	53	18	
	Veneer board	24	40	18	
	Slate board	23	69	17	
	Nonflammable board	33	38	18	
	Calcium silicate board	18	35	20	
	Polyvinyl chloride coated steel panel	Surface	30	53	18
		Back	38	66	19
	Color coated steel panel	Surface	39	67	20
		Back	39	69	20

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

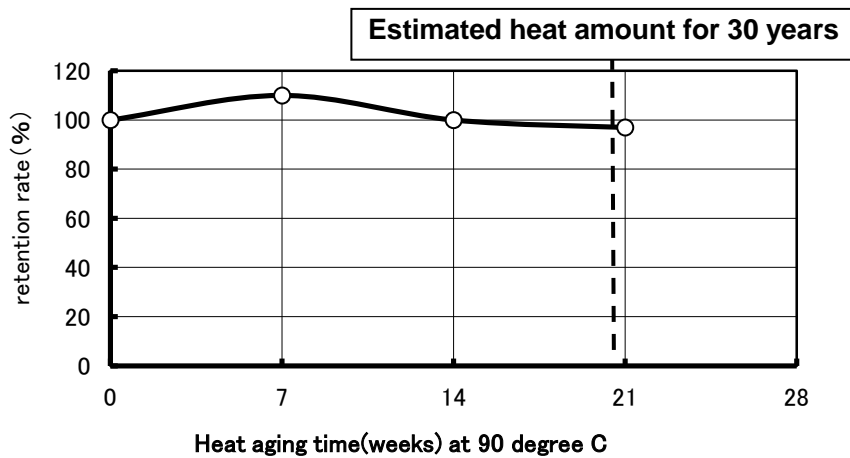
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3 .Adhesion durability performance

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

- Initial value : Adhesion=53 N/25mm



Adhesion durability performance

Notices

- Please do not use this tape for areas like ceiling or walls that need retention force
- Please fix joint part mechanically using screw fixation, etc. . . .
- Please make uneven surface flat as much as possible before putting on the substrate and make it clean for the substrate. please remove dust, moisture and oily component on that substrate.
- When putting this tape on the substrate, please press firmly.
- At low temp in winter time, will get good adhesion after heating up
- Please store this tape in the place where direct sunshine does not reach it.

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