



Protect your precious things

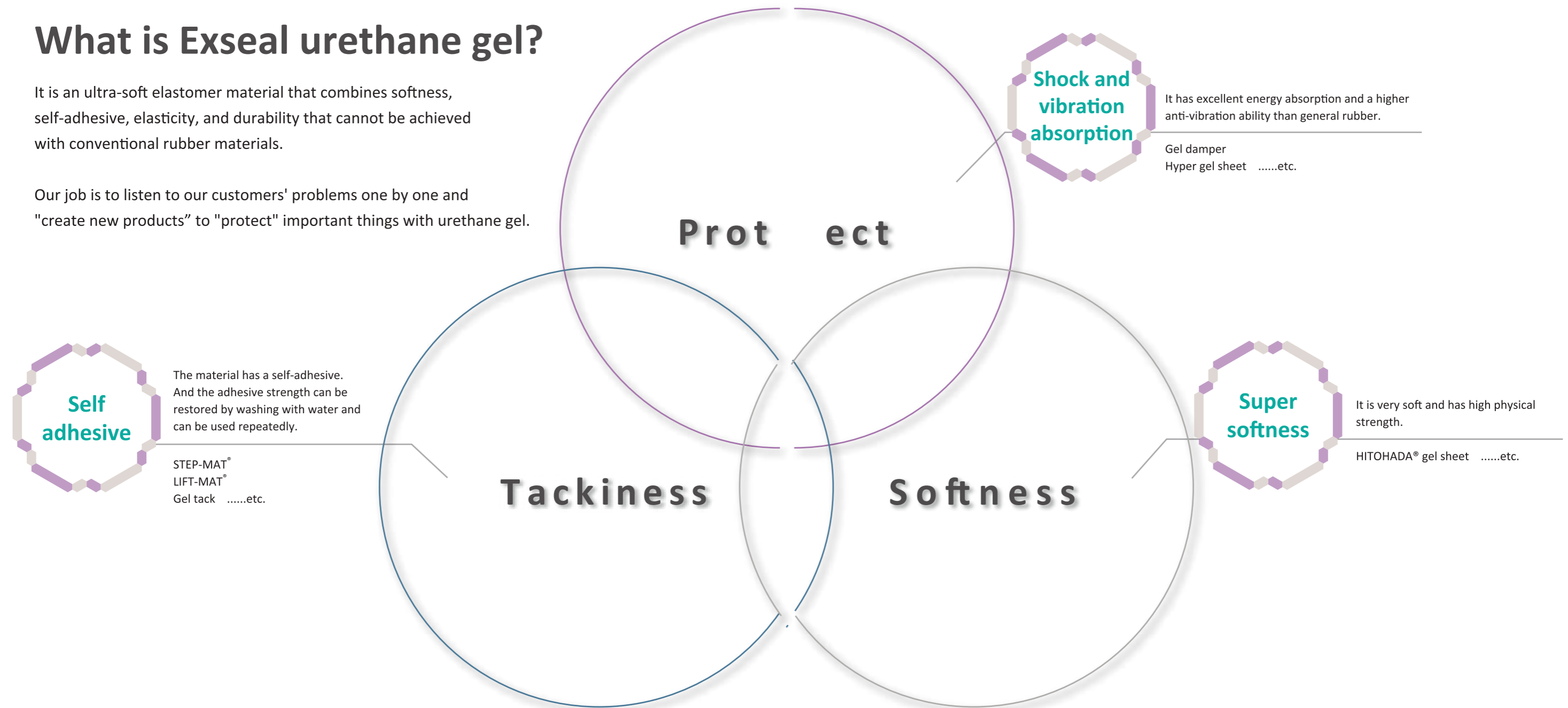


vol.6

What is Exseal urethane gel?

It is an ultra-soft elastomer material that combines softness, self-adhesive, elasticity, and durability that cannot be achieved with conventional rubber materials.

Our job is to listen to our customers' problems one by one and "create new products" to "protect" important things with urethane gel.



Hardness comparison table (Range of urethane gel)

The hardness of rubber is generally expressed as "Shore A".

The gel hardness of EXSEAL is indicated as "Asker C" because it is softer than the "Shore A" range.

	Shore A	0	10	20	30	40	50	60	70	80	90
	Asker C	0	10	20	30	40	50	60	70	80	90
Range								Eraser		Tire of cars	
Characteristics											

EXSEAL urethane gel is positioned between Shore A 0 and 10 (Asker C 0-10).

Softness increases from right to left, and adhesive power increases from left to right.

*The hardness comparison table of Shore A and Asker C is based on actual measured value by our company.



CONTENTS

Characteristics of urethane gel P.1

Clean measures products		Measures to prevent hair from being brought in.	
LIFT-MAT® series NEW	P.5	STEP-MAT® series NEW	P.9
Optional goods for clean mat	P.11	Adhesive roller series	P.13
Dust catcher	P.15	Tip remover	P.17
Haimen mat	P.18		

Transport case for precision devices		Temporary fixing sheet useful for storing semiconductors and chips.	
GEL-BASE® series NEW	P.19	GEL-BASE® sheet series NEW	P.25

Dust removal for precision devices		Dust removal tool that removes foreign matter in manufacturing process of the electronic component.	
STEP-MAT® semiconductive type	P.27	Body roller semiconductive type	P.28
Gel cleaner pen series	P.29	Semiconductive gel sheet	P.31
Semiconductive gel roller	P.33		

Temporary fixation and non-slip		Temporary fixing, fall prevention products and non-slip materials.	
Urethane washer	P.34	Gel tack series	P.35
Clear tack sheet series	P.39	Pit cushion sheet series	P.41
Soft cushion sheet series	P.42	Pit cushion	P.43
Soft cushion	P.44	Flame retardant non-slip sheet series	P.45

Buffer / shock absorbing material		Sheets and pads with high shock absorption.	
Urethane gel insulator	P.46	Hyper gel sheet series	P.47
Cushion pat	P.49	HITOHADA® gel sheet series	P.50





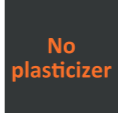




Anti-vibration damper		Vibration absorbing block with excellent anti-vibration and soundproof.	
Gel damper	P.51		

Soft resin for molding		Ultra-soft resin for molding and related products.	
HITOHADA® gel undiluted solution, Milky white	P.53	HITOHADA® gel undiluted solution, Transparent	P.55
HITOHADA® gel undiluted solution, Foaming	P.57	Optional goods for HITOHADA® gel	P.58

For medical sheet and model		Medical-related sheets/support tools for healthcare.	
Electrode gel	P.60	Urethane gel phantom	P.61
Self check tool for breast cancer	P.62		

Physical Properties P.63

About icons

 This product has the effect of preventing the generation of static electricity by adding a conductive material to the raw material.	 Antibacterial and antifungal agents were mixed. *Not all antibacterial and antifungal effects have been confirmed.	 Antiviral agents were mixed. *Not all antiviral effects have been confirmed.
 This product does not use silicone as a raw material.	 Urethane gel that does not contain plasticizer is used.	 This product has passed the tests of the Food Sanitation Law (the Standard of Container and Packaging).
 This product is hard to yellowing caused by UV rays.	 This product uses urethane gel that has cleared the primary skin irritation test.	 This product uses urethane gel that has cleared the patch test.

About a tolerance of products

About a tolerance of products are as shown below:

thickness	1mm thickness or less ...±0.1mm Over 1mm thickness ...±0.2mm	size	±1.0mm	hardness	±5
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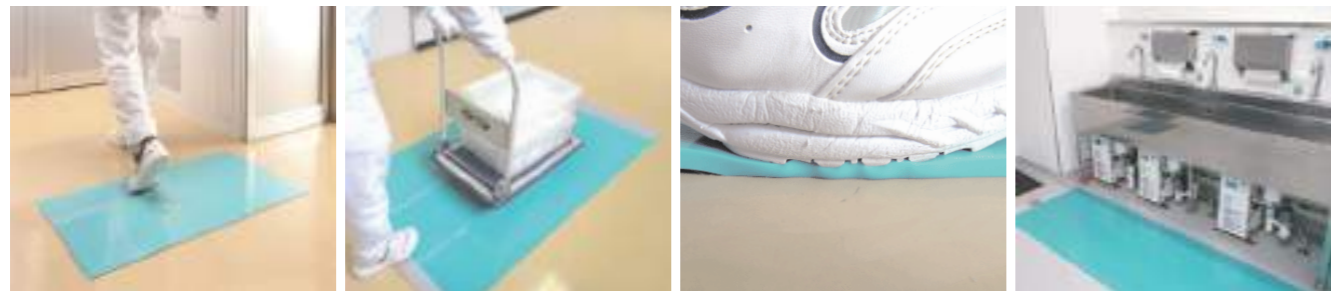
Adhesive mat for soles of shoes and hand trucks.

STEP-MAT® series

POINT

- 1 The adhesive mat for soles of shoes that can be used repeatedly by wiping with water.
- 2 Remove contaminants of soles of shoes 90% or more. (When stepping three times on the mat.)
- 3 Antibacterial and antifungal agents were mixed and the mats prevent breeding of bacteria.
- 4 Antiviral agents were mixed and the mat inhibits virus.

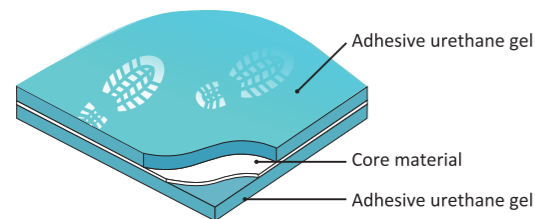
Image for use



In front and behind of clean room. Also hand truck under 100kg be OK. Soft gel fits the soles of shoes, and catch the dusts. For wash basin / air shower / dressing room

Structure

(There are protective films on both sides of the product.)



The thick and soft gel fits the uneven surface of the soles of shoes, and remove fine dusts firmly. In addition, it does not need double sided tape to install, so it is possible to install as it is.

*If you install the mat to rough surface, please install stainless steel plate to the floor and then install the mat on it.

How to clean

Check the video ▶▶



Please clean the mats with water or our special detergent when the adhesive becomes weak. Then adhesive force will return to normal after cleaning and can be used repeatedly.

*We recommend to increase the number of cleaning or area of mats if traffic is a lot. Then the effect persists.

Test of removal rate

Check the details ▶▶

Peeling type of mat does not remove about 40% of dust and grime, so dusts may move with the soles of shoes. While STEP-MAT can remove 90% or more.

ATP (+AMP) Wipe inspection

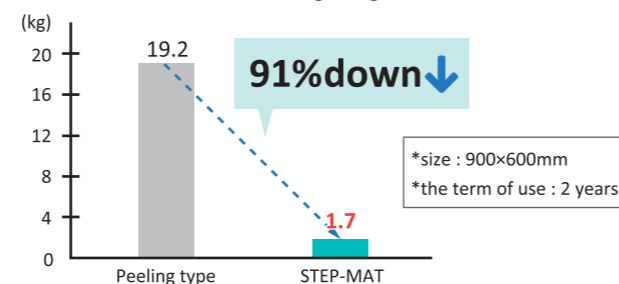
STEP-MAT	Peeling type of mat
90% or more	about 60%

*Lumitester is made by Kikkoman.

*This result is confirmation test in-house. There is also the case that the same result can not be obtained.

Comparison of trial calculations of waste volume

It is an environmentally friendly product as the sheet that is turned over does not become garbage.



*STEP-MAT is used repeatedly for 2 years. The peeling type is purchased the same product for 2 years after using.

*It is referenced only the weight of the product itself. The weight is an actual measured value and not a guaranteed value.

Caution

Notes

- Not suitable for outdoor use nor at delivery entrances directly from outside as ultraviolet light and heat will damage the urethane material. We recommend indoor use.
- Do not pass by wet or oily tire because it is slippery when the floor and mat are not dried.
- When hand trucks pass, any objects such as pallets stuck to the mat or tires rotate on it may cause damage.
- Please install a stainless steel plate to rough floor like a concrete because the mat is installed by self-adhesive of gel.
- It is suitable for coating or resin floors to install, but there is a case that it is difficult to install to flat floors depending on materials. Please check with a mat sample before installation. (*Please peel off the mat from corner and slowly because it may peel off the floor depending on material.)
- Avoid installing on floors containing a lot of soft PVC or plasticizer.
- If you care the step of the mat, please use Aluminum slope (P.11).

Required size and indication of use

It is possible to use for 2-3 years. (Depending on the operating environment and frequency of use.)



STEP-MAT®

Remove fine dust and grime from soles of shoes. It is possible to use repeatedly by wiping with water.



STEP-MAT® 3mm thick

Thin type for using in front of hinged door.

Part Number	Size (mm)	Thickness (mm)	Color
MAT3-0906V	900×600	3.0	Blue green
MAT3-1209V	1200×900		
MAT3-4590V	895×450		

*MAT3-0906V and MAT3-4590V are compatible with Under-mat (P.11).



STEP-MAT® 6mm thick

Thicker type fits the uneven surface more.

Part Number	Size (mm)	Thickness (mm)	Color
MAT6-0906V	900×600	6.0	Blue green
MAT6-1209V	1200×900		

CHECK

Custom-sized are also available, please contact us. *Maximum size : 5000×1200mm

Recommended for beginners

STEP-MAT® 3 pieces set

The great deal set with the sponge mop and disinfectant cleaner (500ml).

Part Number	Size (mm)	Thickness (mm)	Details
MAT3-0906VSET	900×600	3.0	STEP-MAT, Sponge mop, Disinfectant cleaner
MAT3-1209VSET	1200×900		
MAT6-0906VSET	900×600	6.0	

Related products

Aluminum slope / Sponge mop / Disinfectant cleaner (P.11,12)

