



redefining sitting comfort

EXGEL®

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EXGEL®



What is EXGEL®?
flowing redistribution
of pressure



Background

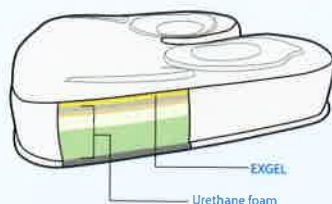
EXGEL was developed as ultimately soft and stable material to reduce the risk of decubitus ulcer. KAJI CORPORATION has been utilizing EXGEL for various products by combining excellent characteristics of EXGEL and own products' development ability and manufacturing technology.

Characteristics

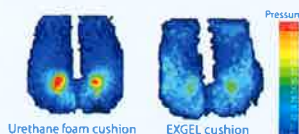
EXGEL's flexibility is extremely high; it stretches about 20 times and able to restore to its original form. Its soft and slow recovery natures are gentle to human's skin, and realize ideal skin contact possible. EXGEL also has an excellent shock absorbability, and proved more than 10 times high shock absorbability than general urethane foam in tests.

Benefit of EXGEL[®] cushions

Multilayer of EXGEL and foam
Multilayered foams of different density and EXGEL provide not only pressure redistribution but also stable and comfortable seating while keeping the cushion weight light.



Pressure redistribution and skin protection
When the body weight is applied, EXGEL changes its shape in every direction and conforms to the body shape maximizing the contact surface so the pressure is supported by wider area and evenly redistributed. EXGEL also moves along with client's body movement. It buffers shearing forces and reduces the risks of skin break down.



Easy to use and maintain
EXGEL goes back to the original shape once the load is removed, which means re-adjustment of gel is not required. EXGEL does not bottom out nor puncture. Cover is water resistant and machine washable. Surface material of the cushion body can be easily wiped off or disinfected by spraying disinfectant. Just place the cushion on wheelchair and it is ready to use. Very simple and user friendly for both wheelchair users and care-providers.



Cushion covers
Incontinence cover:
The original cover which comes with the cushion order. High stretch and machine washable. Thin urethane foam used as a layer prevents heat built-up and helps to keep the surface dry. Film lamination layer protects cushion from fluid.



Breathable cover:
Available as an optional cover. High stretch and machine washable mesh cover. Thin urethane foam used as a layer prevents heat built-up and helps to keep the surface dry.



Both covers' outer fabric passed Cytotoxicity test, ISO 10993-5, and meets flammability requirement for California Bulletin 117.

High quality
All of EXGEL cushions and covers are manufactured in Japan with the finest materials under quality management standard of ISO9001.



Wide range of cushions
Total of 10 different types of cushions meet variety of requirements of wheelchair users and people with restricted mobility.



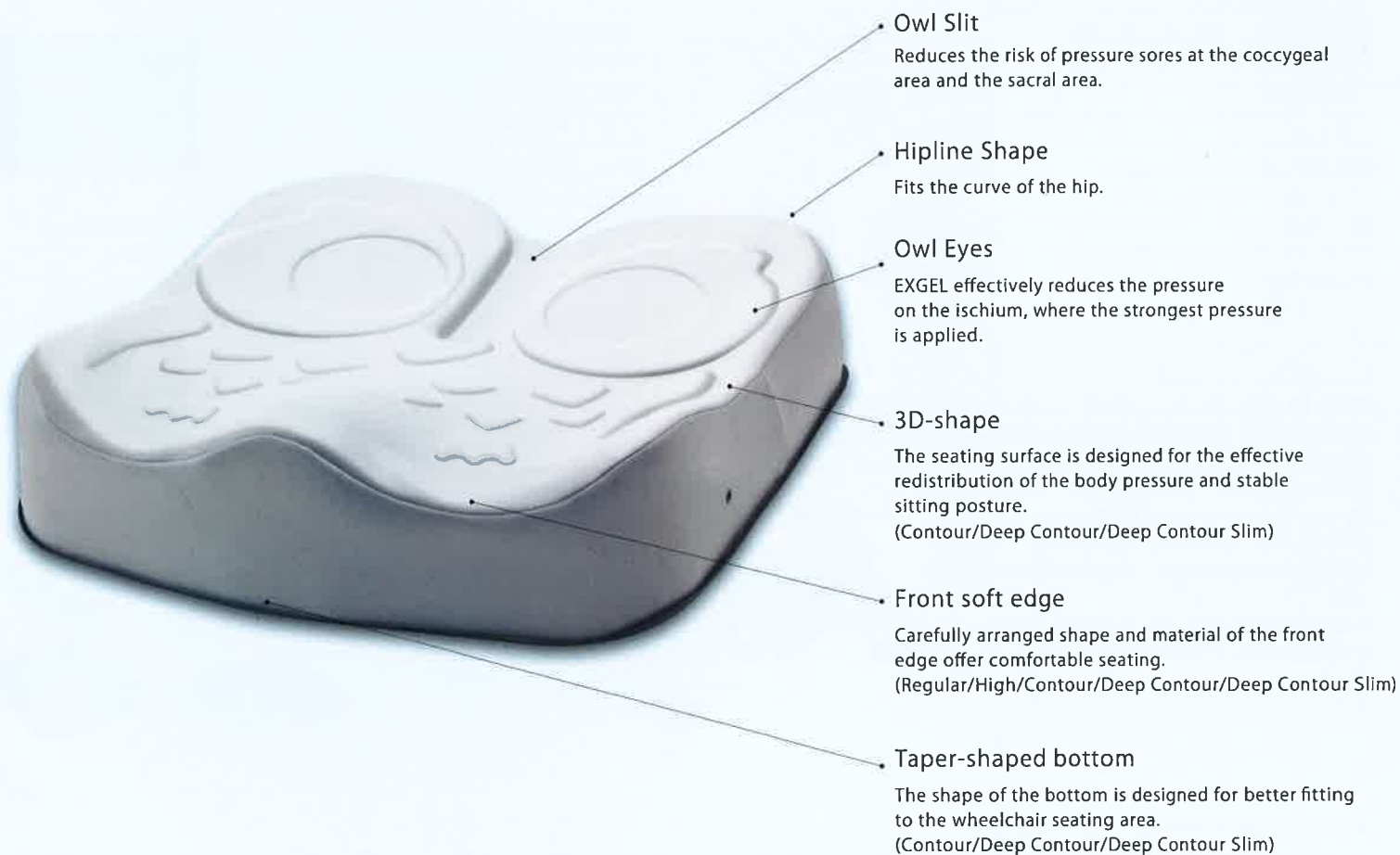
EXGEL wheelchair cushion guide

			Pressure Redistribution	Care for Coccyx and Sacral area	Postural Support	Forward/Reward Stability	Easy-to-Carry
EXGEL Owl Cushion	Regular		★	★ ★	★	★	★
	High		★ ★ ★	★ ★ ★	★	★	★
	Contour		★ ★	★ ★	★ ★	★ ★	★
	Deep Contour		★ ★ ★	★ ★ ★	★ ★ ★	★ ★ ★	★
	Deep Contour Slim		★ ★	★ ★	★ ★ ★	★ ★ ★	★
EXGEL Standard Cushion	Regular		★	★	★	★	★
	High		★ ★	★	★	★	★
	Anti-Thrust		★ ★	★	★ ★	★ ★	★
EXGEL Lite Cushion	Regular		★	★	★	★	★ ★ ★
	High		★ ★	★	★	★	★ ★

Owl®Cushion

Owl shape optimizes pressure redistribution on wheelchairs.
5 types of form variations correspond to the various conditions

Product Features



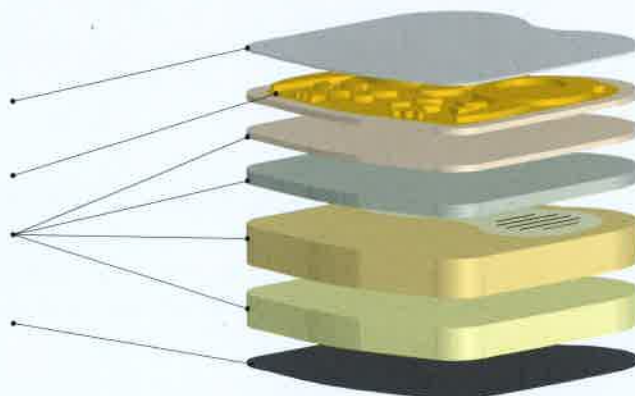
Structure

Synthetic leather on the surface of body can be disinfected with ethanol.

EXGEL excellently redistributes the body pressure.

Multilayered high density urethane foam provides proper immersion and supports stable sitting posture.

Adopted a strong skidproof in base of body and cover.



Owl Cushion High

Cover

Incontinence cover: fluid resistant laminated layer protects cushion from moisture.

Breathable cover: breathable mesh fabric dissipates moisture.

Machine washable.

The outer fabric passed Cytotoxicity test, ISO 10993-5, and meets flammability requirements for California Bulletin 117.

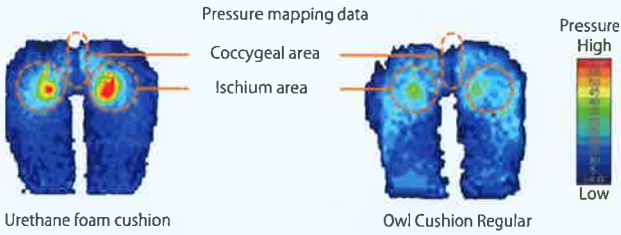


Lineup

Regular



Reduces the pressure on the ischium and the coccygeal area effectively. 4cm / 1.6 inch thickness.



High



Sufficient height and immersion in order to prevent increased pressure at ischial tuberosities. 8cm / 3.1 inch thickness.



Contour



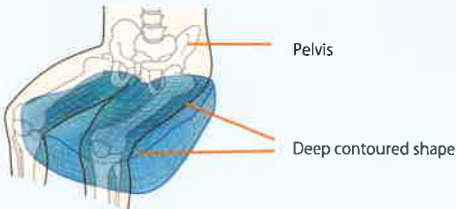
Contoured shape provides comfortable and stable seating. 2.3-7.5cm / 2.1 - 3.0 inch thickness.



Deep Contour



Deeper contoured shape for more effective postural support 6.5-11cm / 2.6-4.3 inch thickness.



Deep Contour Slim



Deep contour low profile type. 3.5-8.0cm / 1.4 - 3.1 inch thickness.



Specifications

	H (cm/inch)	Regular	High	Contour	Deep Contour	Deep Contour Slim
		H: 4.0cm/1.6"	H: 8.0cm/3.1"	Front (A):7.5/3.0", (B):7.2/2.8" Rear (C):5.3/2.1", (D):6.8/2.7"	Front (A):11.0/4.3", (B):8.0/3.1" Rear (C):6.5/2.6", (D):8.8/3.5"	Front (A):8.0/3.1", (B):5.0/2.0" Rear (C):3.5/1.4", (D):6.8/2.7"
W x D (cm/inch)		Product Code	Product Code	Product Code	Product Code	Product Code
36x40/14x16		OWL21-BK1-3640	OWL22-BK1-3640	OWL23-BK1-3640	OWL24-BK1-3640	OWL25-BK1-3640
38x40/15x16		OWL21-BK1-3840	OWL22-BK1-3840	OWL23-BK1-3840	OWL24-BK1-3840	OWL25-BK1-3840
40x40/16x16		OWL21-BK1-4040	OWL22-BK1-4040	OWL23-BK1-4040	OWL24-BK1-4040	OWL25-BK1-4040
40x46/16x18			OWL22-BK1-4046		OWL24-BK1-4046	OWL25-BK1-4046
40x51/16x20						OWL25-BK1-4051
43x43/17x17						OWL25-BK1-4343
43x46/17x18			OWL22-BK1-4346		OWL24-BK1-4346	OWL25-BK1-4346
46x40/18x16		OWL21-BK1-4640	OWL22-BK1-4640	OWL23-BK1-4640	OWL24-BK1-4640	OWL25-BK1-4640
46x46/18x18			OWL22-BK1-4646		OWL24-BK1-4646	OWL25-BK1-4646
46x51/18x20						OWL25-BK1-4651
51x46/20x18					OWL24-BK1-5146	OWL25-BK1-5146
51x51/20x20			OWL22-BK1-5151		OWL24-BK1-5151	OWL25-BK1-5151

Color		Body: Gray, Cover: Black	
Materials	Body	Top/Sides	Polyurethane synthetic leather
		Filling	EXGEL (Synthetic rubber), Polyurethane foam
		Bottom	100% Nylon (Polyurethane and Acrylic coated)
	Cover	Top/Sides	100% Polyester, Polyurethane foam
		Bottom	100% Nylon (Polyurethane coated)



EXGEL® Standard Cushion

EXGEL cushion's standard model, winning the long time popularity as a wheelchair cushion.
EXGEL used in entire surface redistributes the body pressure effectively.
EXGEL also buffers shearing forces between the body and cushions.

Product Features



Recommendations

For wheelchair users who need superior pressure redistribution.
The High is recommended for the client who needs further pressure redistribution.
The Anti-Thrust is recommended for the client needing forward/rearward stability.

Cover

Incontinence cover: fluid resistant laminated layer protects cushion from moisture.
Breathable cover: breathable mesh fabric dissipates moisture.
Machine washable.
The outer fabric passed Cytotoxicity test, ISO 10993-5, and meets flammability requirements for California Bulletin 117.

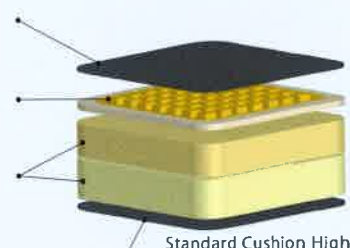


Structure

Synthetic leather on the surface of body can be disinfected with ethanol.

EXGEL excellently redistributes the body pressure.

Multilayered high density urethane foam provides proper immersion, and supports stable sitting posture.



Adopted a strong skidproof in base of body and cover.

Lineup

Regular

Easy to use flat style.
3.5cm thickness.



High

Added more immersion and stability.
6.5cm thickness.



Anti Thrust

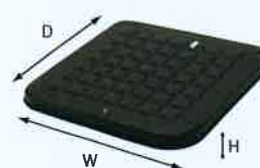
Prevents unwanted forward move of ischium.
Front: 8.5cm, Rear: 7cm thickness.



Specifications

	Regular	High	Anti-Thrust
H (cm/inch)	H: 3.5cm/1.4"	H: 6.5cm/2.6"	Front: 8.5cm/3.3" Rear : 7.0cm/2.8"
W x D (cm/inch)	Product Code	Product Code	Product Code
30x30/12x12	ESC01-BK1-3030	ESC02-BK1-3030	
33x33/13x13	ESC01-BK1-3333	ESC02-BK1-3333	
36x36/14x14	ESC01-BK1-3636	ESC02-BK1-3636	
36x40/14x16	ESC01-BK1-3640	ESC02-BK1-3640	
40x40/16x16	ESC01-BK1-4040	ESC02-BK1-4040	ESC03-BK1-4040
40x43/16x17	ESC01-BK1-4043	ESC02-BK1-4043	
40x46/16x18	ESC01-BK1-4046	ESC02-BK1-4046	
43x40/17x16	ESC01-BK1-4340	ESC02-BK1-4340	
43x43/17x17	ESC01-BK1-4343	ESC02-BK1-4343	
46x40/18x16	ESC01-BK1-4640	ESC02-BK1-4640	ESC03-BK1-4640
46x46/18x18	ESC01-BK1-4646	ESC02-BK1-4646	ESC03-BK1-4646
46x49/18x19	ESC01-BK1-4649	ESC02-BK1-4649	
46x51/19x20	ESC01-BK1-4651	ESC02-BK1-4651	
49x49/19x19	ESC01-BK1-4949	ESC02-BK1-4949	

Regular, High



Anti Thrust



Color		Body: Black, Cover: Black	
Materials	Body	Top/Sides	Polyurethane synthetic leather
		Filling	EXGEL (Synthetic rubber), Polyurethane foam
		Bottom	100% Nylon (Polyurethane and Acrylic coated)
	Cover	Top/Sides	100% Polyester, Polyurethane foam
		Bottom	100% Nylon (Polyurethane coated)

EXGEL® Lite Cushion

Easy-to-carry EXGEL cushion for wheelchairs.
EXGEL used in ischium area redistributes the
body pressure effectively.

Product Features



Cover

Incontinence cover: fluid resistant laminated layer protects cushion from moisture.

Breathable cover: breathable mesh fabric dissipates moisture.

Machine washable.

The outer fabric passed Cytotoxicity test,
ISO 10993-5, and meets flammability
requirements for California Bulletin 117.

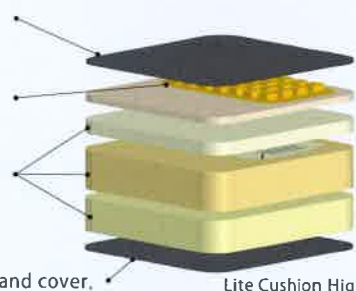
Structure

Synthetic leather on the surface of body
can be disinfected with ethanol.

EXGEL excellently redistributes the body
pressure.

Multilayered high density urethane foam
provides proper immersion, and supports
stable sitting posture.

Adopted a strong skidproof in base of body and cover.



Recommendations

Wheelchair users who need light-weight and high performance
pressure relief cushion.

The High is recommended for the client who needs further
pressure redistribution.

Lineup

Regular

Easy to use flat style. 5.5cm / 2.2inch thickness.



High

Added more immersion and stability. 7.5cm / 3.0inch thickness.



Specifications

	Regular	High
H (cm/inch)	H: 5.5cm/2.2"	H: 7.5cm/3.0"
W x D (cm/inch)	Product Code	Product Code
40x40/16x16	ELC01-BK1-4040	ELC02-BK1-4040
46x40/18x16	ELC01-BK1-4640	ELC02-BK1-4640
46x46/18x18	ELC01-BK1-4646	ELC02-BK1-4646



Color	Body: Black, Cover: Black		
Materials	Body	Top/Sides	Polyurethane synthetic leather
		Filling	EXGEL (Synthetic rubber), Polyurethane foam
		Bottom	100% Nylon (Polyurethane and Acrylic coated)
	Cover	Top/Sides	100% Polyester, Polyurethane foam
		Bottom	100% Nylon (Polyurethane coated)

kaji corporation

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EXGEL products are CE-labelled as medical devices (class 1), which means that the characteristics of products meet the requirements of MDR(EU) 2017/745.

Distributor / Dealer