



redefining sitting comfort

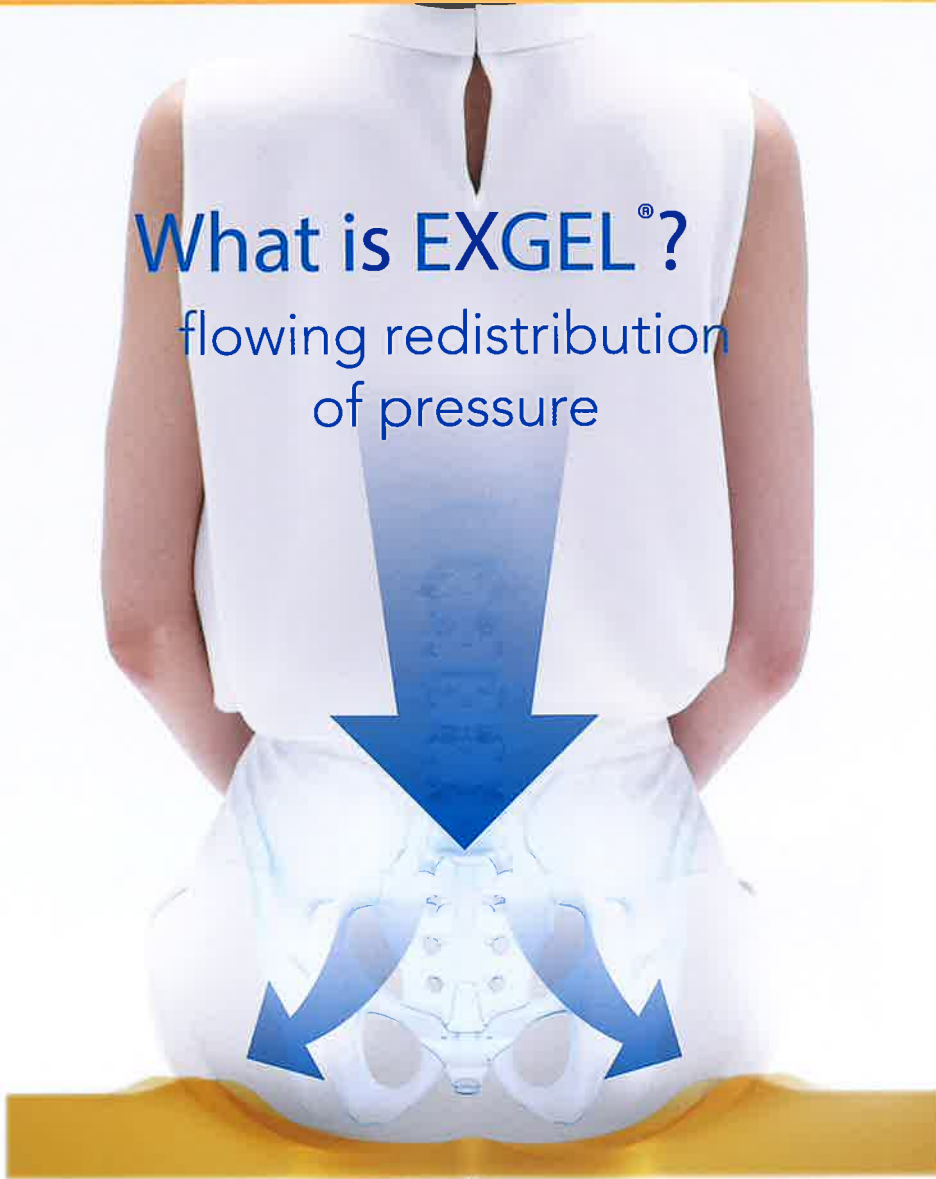
EXGEL[®]

redefining sitting comfort

EXGEL®



What is EXGEL®?
flowing redistribution
of pressure



Background

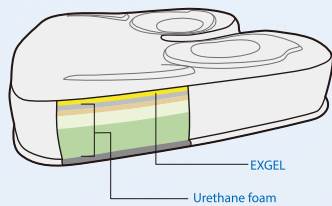
EXGEL was developed as ultimately soft and stable material to reduce the risk of decubitus ulcer. KAJI CORPORATION has been utilizing EXGEL for various products by combining excellent characteristics of EXGEL and own products' development ability and manufacturing technology.

Characteristics

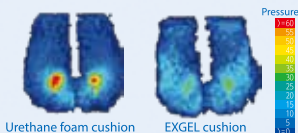
EXGEL's flexibility is extremely high; it stretches about 20 times and able to restore to its original form. Its soft and slow recovery natures are gentle to human's skin, and realize ideal skin contact possible. EXGEL also has an excellent shock absorbability, and proved more than 10 times high shock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



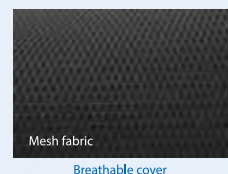
Easy to use and maintain
EXGEL goes back to the original shape once the load is removed, which means re-adjustment of gel is not required. EXGEL does not bottom out nor puncture. Cover is water resistant and machine washable. Surface material of the cushion body can be easily wiped off or disinfected 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 11 different types of cushions meet variety of requirements of wheelchair users and people with restricted mobility.



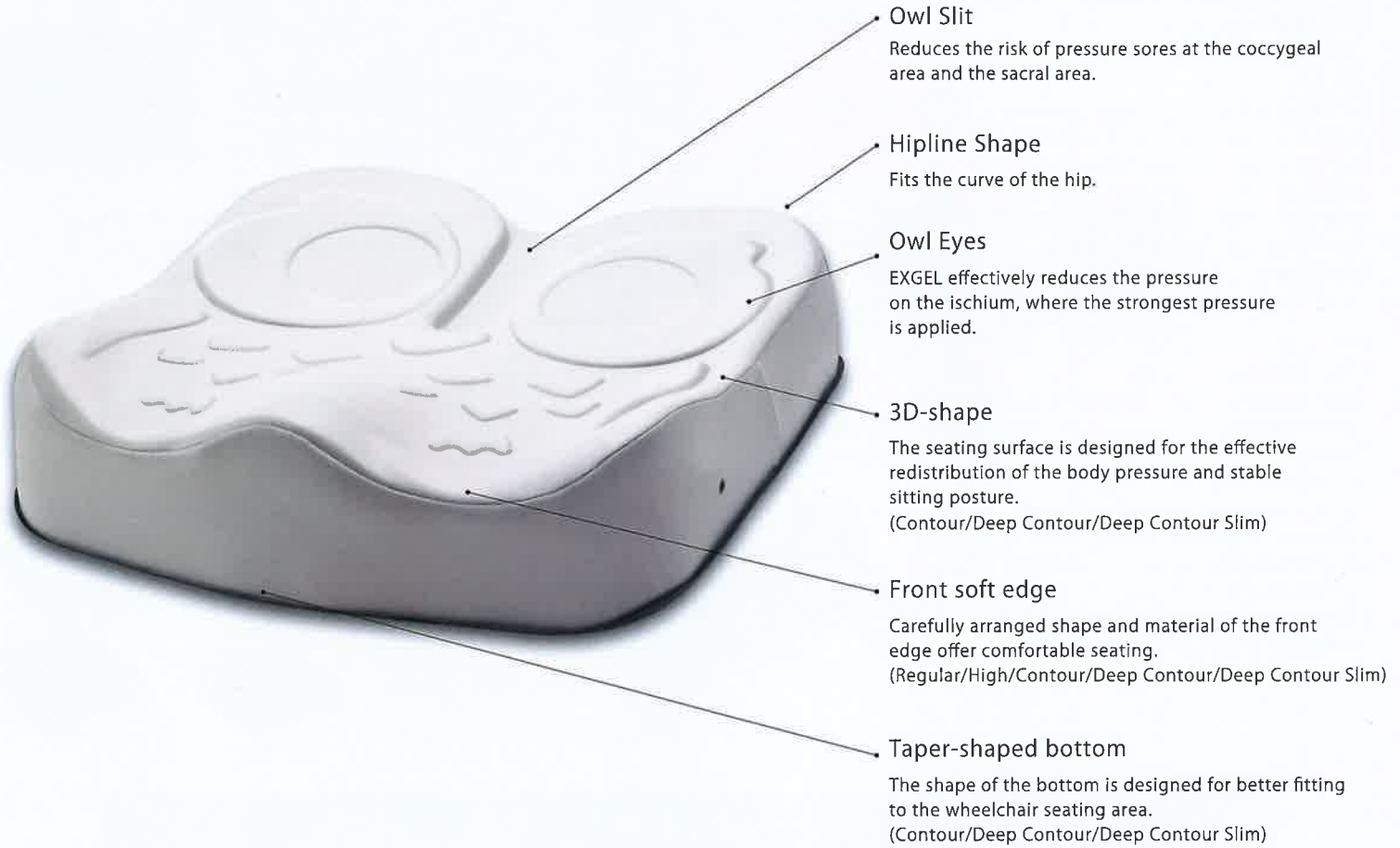
EXGEL wheelchair cushion guide

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



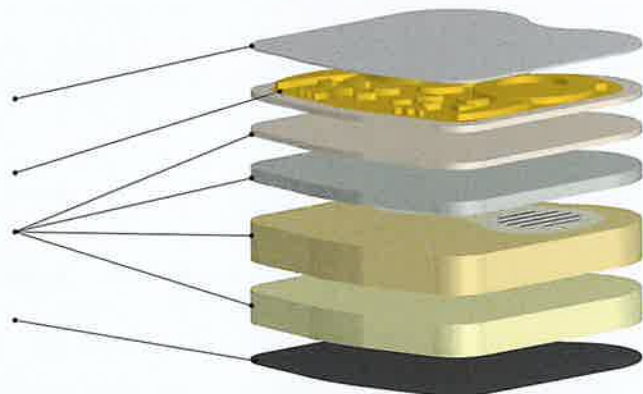
Structure

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.

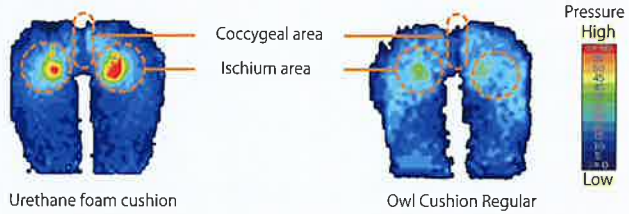
The outer fabric passed Cytotoxicity test, ISO 10993-5, and meets flammability requirements for California Bulletin 117.



Lineup



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



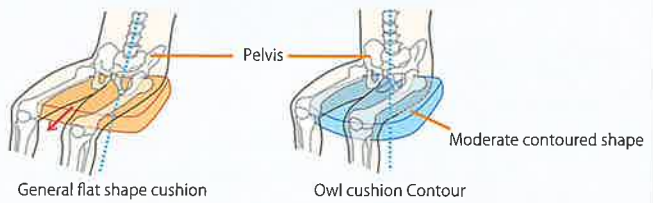
Medium profile, versatile type. 6cm/2.4 inch thickness.



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



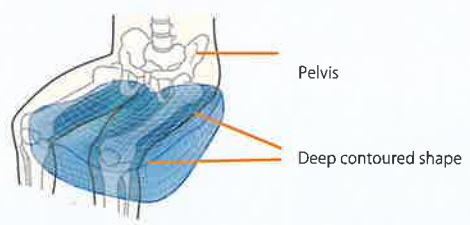
Mild contoured shape provides comfortable and stable seating. Easy transfer with low pommel. 2.3-7.5cm / 2.1 - 3.0 inch thickness.



Deeper contoured shape for further postural support. Low profile type. 3.5-8.0cm / 1.4 - 3.1 inch thickness.



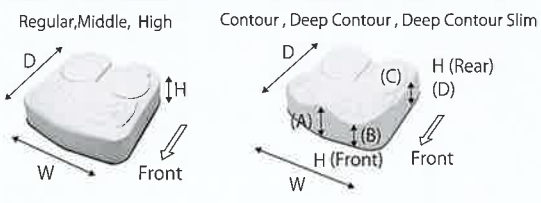
Deeper contoured shape for further postural support. High profile type. 6.5-11cm / 2.6-4.3 inch thickness.



Specifications

	Regular	Middle	High	Contour	Deep Contour Slim	Deep Contour
H (cm/inch)	H: 4.0cm/1.6"	H: 6.0cm/2.4"	H: 8.0cm/3.1"	(A):7.5/3.0",(B):7.2/2.8" (C):5.3/2.1",(D):6.8/2.7"	(A):8.0/3.1", (B):5.0/2.0" (C):3.5/1.4", (D):6.8/2.7"	(A):11.0/4.3",(B):8.0/3.1" (C):6.5/2.6", (D):8.8/3.5"
W x D (cm/inch)	OWL21-BK1	OWL26-BK1	Product Code	Product Code	Product Code	Product Code
36x40/14x16	36x40	36x40	36x40	36x40	36x40	36x40
38x40/15x16	38x40	38x40	38x40	38x40	38x40	38x40
40x40/16x16	40x40	40x40	40x40	40x40	40x40	40x40
40x46/16x18			40x46		40x46	40x46
40x51/16x20					40x51	
43x40/17x16	43x40	43x40	43x40			
43x43/17x17					43x43	
43x46/17x18			43x46		43x46	43x46
46x40/18x16	46x40	46x40	46x40	46x40	46x40	46x40
46x46/18x18			46x46		46x46	46x46
46x51/18x20					46x51	
51x46/20x18					51x46	51x46
51x51/20x20			51x51		51x51	51x51

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



Warranty Limited Warranty. Please reference the Instruction Manual for detailed warranty information.

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



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.

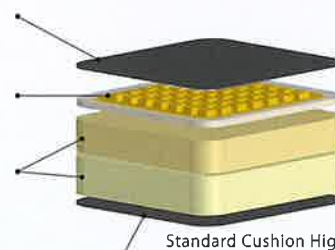
Structure

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.



Standard Cushion High

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.

Lineup

Regular

Easy to use flat style.
 3.5cm thickness.



3.5cm / 1.4inch

High

Added more immersion and stability.
 6.5cm thickness.



6.5cm / 2.6inch

Anti Thrust

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



7cm / 2.8inch

8.5cm / 3.3inch

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	
46x51/18x20	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
	Cover	Bottom	100% Nylon (Polyurethane and Acrylic coated)
		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



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.

Cover

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

Breathable cover: breathable mesh fabric dissipates moisture.

Machine washable.

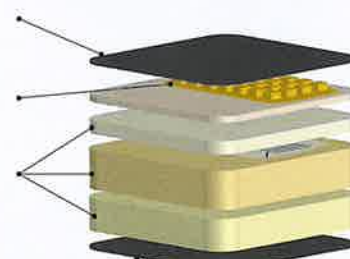
The outer fabric passed Cytotoxicity test, ISO 10993-5, and meets flammability requirements for California Bulletin 117.

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.

Lite Cushion High

Lineup

Regular

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



5.5cm / 2.2inch

High

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



7.5cm / 3.0inch

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

Company Information



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<https://exgel.jp/en/>

European Authorized Representative



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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