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**Ever Proud**  
Pressure Reduction Mattress

Smooth surface  
Sound sleep

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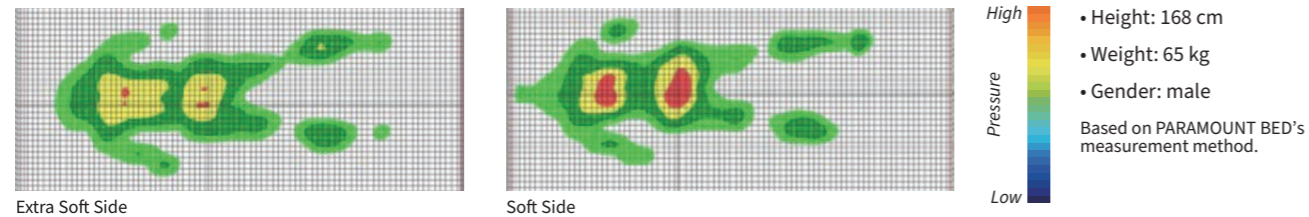
# Excellent Body Pressure Dispersion with 5 Layers of Urethane Foam\*

\*Amongst PARAMOUNTBED mattresses

## FEATURE 01 Body Pressure Dispersion

Excellent body pressure dispersion with 5 layers of urethane foam

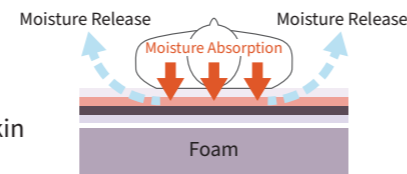
A combination of 5 layers of urethane foam with different degrees of elasticity. Extra Soft Side has the best body pressure dispersion performance amongst our foam mattresses. Soft Side, on the reverse, offers increased resistance and thus balances body pressure dispersion with ease of movement.



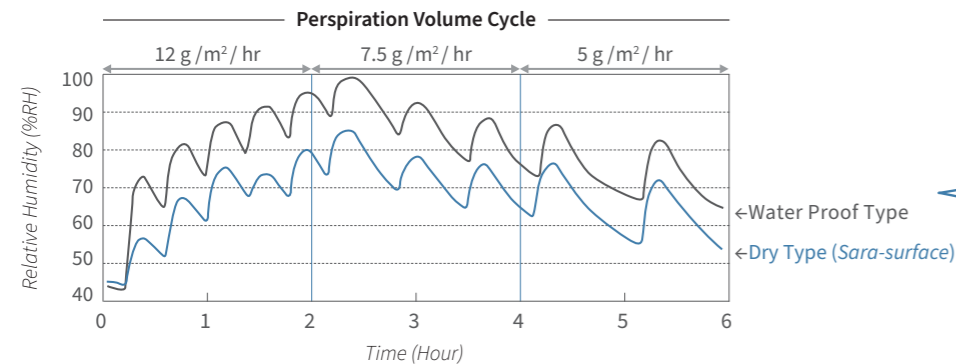
## FEATURE 02 Moisture Reduction

'Sara-surface' is an innovative material that wicks away excess moisture, reduces the risk of bedsores and supports an environment conducive to sleep.

'Sara-surface' prevents the absorption of moisture into the mattress, by superficially absorbing it and releasing it through a surface not in contact with the body. As damp skin is a risk factor for bedsores, 'Sara-surface' attenuates the chances of this condition.



### Moisture Absorption Performance Simulated through Use of Thermal Manikin



Compared to the water proof type mattress, humidity is about **10% lower.**

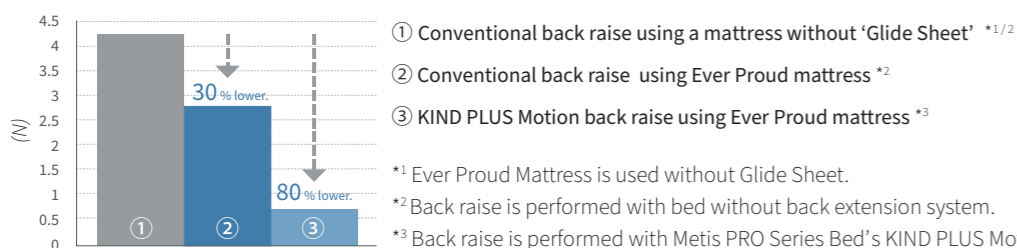
※The perspiration rate of the thermal manikin loops through 12g/m<sup>2</sup>/hr, 7.5g/m<sup>2</sup>/hr and 5g/m<sup>2</sup>/hr every 2 hours.

## FEATURE 03 Shear Force Reduction

Proprietary 'Glide Sheet' fabric technology reduces shear force induced by back raise motion.

The mattress cover uses Glide Sheet fabric to reduce friction, allowing the mattress cover to glide smoothly over the mattress foam. This increased smoothness reduces shear force. The pelvis area is designed to be less slippery.

### Shear Force during Back Raise

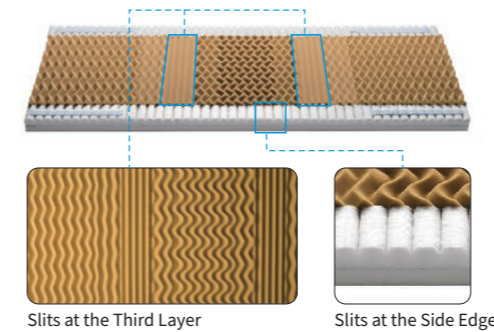


【Test Subject】  
Height 168 cm, Weight 59 kg, Male/  
Measurement Method By: Touchens Inc.  
\*The shear force sensor 'Shock Chip' is attached to the test subject's shoulder blades and the shear force during backraise measured.  
\*Data is obtained from a particular simulation. Similar results may not be obtained for all case.

## FEATURE 04 Comfort for patient and nurse

Curve fit line technology ensures smooth mattress-movement during knee and back raise.

Linear slits made in the third layer and side edge of the mattress allow the bed much more flexibility in its movement. This reduces discomfort experienced during back raise.



Side edge for stability when sitting

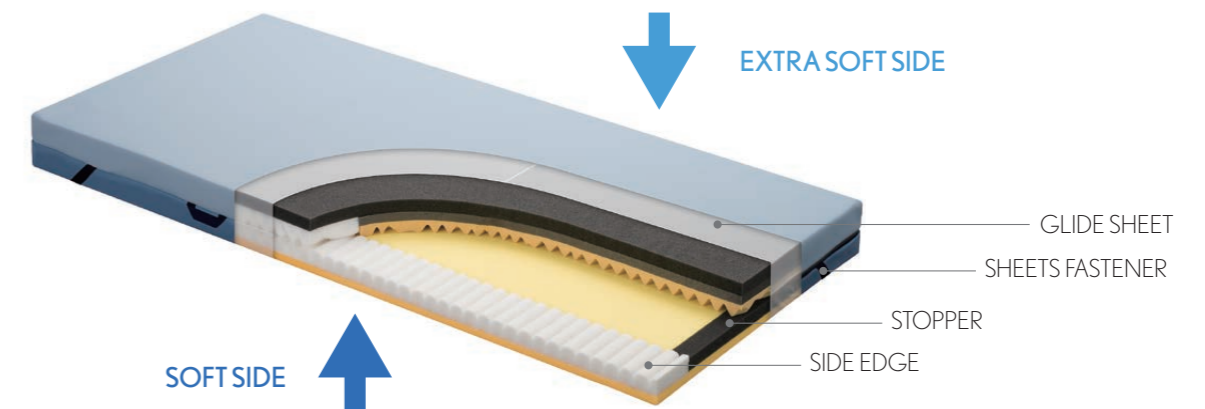
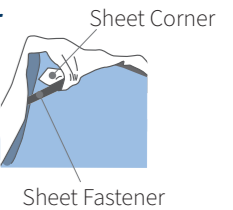
The edges are made with a firmer material to offer stability when sitting on side of the bed.

Stopper prevents mattress slippage

The part of mattress which comes into contact with "mattress stopper" at bed foot end is made of firmer material to prevent the mattress from getting caught during back raise.

Easily affix sheet with sheet fastener

Loop type sheet fastener easily allows affixing the sheet to all four corners. These are designed to be easily set, while not compromising pressure distribution.



### Mattress Coating Technologies



Moisture Removal Cover (Sara-surface)



Anti-odor Treatment



Chemical Resistant Cover



Anti-MRSA Treatment



Anti-flammable Treatment

Model No.	KE-621UF	KE-623U	KE-628UY
Type	Dry Type*1		
Total Length	191 cm	200 cm	
Total Width	91 cm	83 cm	86 cm
Total Thickness	13 cm		

\*1 The mattress cover is not permeable.

### Material

Extra Soft Side Surface... Polyester 50 % / Acrylic 30 % / Polyurethane 20 %  
Soft Side Surface... Polyester 70 % / Polyurethane 30 %  
Internal Cover... Polyester 100 %  
Cushion... Polyester; Polyurethane

For more information regarding the kinds of chemicals that can be used for cleaning and disinfection, please refer to the instruction manual.