

ORWOOD

MOBILITY MANUFACTURING

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INCONTINENCE MATTRESS PROTECTORS / COVERS

Technical Data Sheet



images show totally encasing design & cover corner open, with fold-down flap to hide & protect zip-seam from exposure to fluids when mattress cover is fully closed

Water-Proof Vapour-Permeable (breathable) totally-encasing Incontinence Mattress Covers / Protectors

ORWOODS WPVP Incontinence Mattress Protectors are specially made with 'Polytran' Polyurethane polyester-backed fabric to exacting hospital standards. The four-way stretch material we use is fully waterproof, vapour-permeable (breathable), anti-bacterial and anti-dust mite. It is of course suitable for routine wipe-clean maintenance, as well as being machine-washable at recommended max 75°C (Polytran fabric specifically up to 95°C).

Covers are designed and made to totally encase whole mattresses. Covers open at one short end, into which the mattress slides / cover pulls over mattress like a 'sock'; the opening across the end of the cover is closed with a zip, and the zip is then protected by a pull-down flap so that fluid ingress is prevented at any stitched zip seam. All other seams on the cover are high-frequency radio-wave heat-welded to produce strong and reliable permanent joins wherever PU surfaces meet – cover seams are not stitched, thereby avoiding any risk of fluid ingress problems through needle perforations. Our mattress protectors offer outstanding and complete mattress protection against incontinence and fluid spillages.

Covers are available in sizes which are suited to all of our standard mattress dimensions, and also in custom sizes as per individual requirements. Our standard length for all mattress covers is specified to suit adjustable bed mattresses, which are usually approximately 3" longer than conventional mattresses at 78" (198cm) length. SEE OUR ORDER FORM FOR FULL STANDARD SIZING CHOICES. For custom sizing requirements please contact us directly (e-mail / telephone).

Caution: Although ORWOODS covers are made with best-available specification heavy-duty hospital-standard performance fabrics, mattress covers can be subject to rigorous use in demanding environments, often in situations where there are sharp corners and hard furniture edges etc. – all fabrics are susceptible to wear and tear. It is the user's responsibility to check from time to time that covers remain intact and puncture-free – if covers become damaged then they should be replaced to maintain comprehensive protection.

See over for fabric data ...

FABRIC TECHNICAL DATA

Principal characteristics:

Water-Proof
 Vapour-permeable (breathable)
 Anti-Dust Mite
 Anti-Bacterial
 Handwash & Machine-washable recommended up to 75° C
 Flame Retardant BS7175, CRIB 5&7

Technical Datasheet 2004-277

Quality: DAHLIA BI-ELASTIC (220)
 DAHLI003-DAHLI008
 DAHLI029
 DAHLI030
 DAHLI068

Date: 11/01/2012 (rev 28/11/2012)

Backing: 100% Polyester
 Coating: 100% Polyurethane

Composition	Coating	105 g/m ²
	Backing	100 g/m ²
	Total	205 g/m ² +/- 15 g/m ²

Tensile strength	ISO1421 1998	Length >35 daN/5 cm Width >25 daN/5 cm
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Tear Strength	ISO4674-01 2003	Length >2,5 daN Width >2,5 daN
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% Elongation under 30N/5cm		Length >30% Width >30%
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Flex Resistance	ISO5402 1:2003	no quality loss after 200000
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Coating to fabric adhesion	ISO2411 2000	>3 daN/5cm
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Flame Retardancy	BS7175 1989 CRIB5 Centexbel report 11.83115.01 BS7175 1989 CRIB7 Centexbel report 12.04776,01 EN597 1994 Source 1/2 Centexbel report 11.83115.01
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Hydrolysis	Jungle Test	No loss of quality after 3 weeks
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Hydrostatic head	ISO1420 1978	>200 cm Tight to house dust mites
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Contd ...

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Antibacterial Sanitized Clariant Benelux (valid licence available)
Active ingredient = zinc pyrithione
According to the Biocidal Products Regulation (EU) No 528/2012
- mandatory to communicate to customers

Water Vapour Permeability ASTM E96-66 1972 >600 g/m²/24h Centexbel report 11.83114.01

Biocompatibility ISO 10.993-10 2002 OK

Oekotex 100 Class 1 (valid certificate available)

Properties after autoclave treatment 50x120°C/20' all conform

Cleaning – we recommend that this article be cleaned with water and soap / mild detergent only. Cleaning products containing alcohol, solvent, bleach, or abrasive products can damage this product.

Disinfecting – Please see list of approved disinfectant cleaning agents. No responsibility is taken for damage if other products are used.

Care ISO/FDIS 3758:2005



Machine washable up to 95°C (fabric)

Do not bleach

Do not iron

Dryclean, any solvent except Trichloroethylene

Tumble dry, normal, low heat

Shrinkage after washing: <10%

Antimicrobial effect may be reduced by washing

Alcohol in high concentrations might damage this article

Other: this article is HF weldable

Remarks:

All the specifications given in this document have been tested in accredited laboratories or in our own laboratory using officially calibrated measuring equipment.

This data-sheet is valid for five years after the date of publication. However, we guarantee that the item has been produced with the same ingredients and ISO-9000 procedures were strictly complied with. In the event that any modifications may have been applied during this period, all the properties were retested.

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MATTRESS COVER CLEANING INSTRUCTIONS – PU Range

General instructions:

- Cleaning by neutral water and soap, followed by rinsing with water, is sufficient to clean this article.
- Solvent containing alcohol, bleaching or abrasive products can be harmful.
- All other disinfectants, cleaning products and other products require extensive testing by Plastibert before use.

List with tested cleaning products:

Always follow the prescribed concentration!

Always rinse with water after cleaning (if not, possible discoloration, wrinkling or loss of resistance of the PU!)

Product name	Concentration	Result
ANTICHLOR PLUS (Ecolab)	1000ppm	OK
ANIOS DDHS (Anios Laboratories)	Pure	OK
B45 (Orochemie)	Pure	OK
BACILLOL 30 FOAM (Hartmann)	Pure	OK
CLINELL SPORICIDAL WIPES (Garna Healthcare)	Pure	OK
CHLOR-CLEAN TABLETS (Guest Medical)	1000ppm	OK
DETTOL (Reckitt Benckiser)	5%	OK
DISMOZON PUR (Hartmann)	4%	OK
FORMALDEHYDE (Pharmacy)	30%	OK
GERMATOL (Kiarah Chem)	5%	OK
HANSAMED (spray) (Beiersdorf AG)	Pure	OK
HAZ-TABS (Guest Medical)	1000ppm	OK
HIBICET (Molnlycke Health Care)	Pure	OK
INCIDIN EXTRA N (Ecolab)	2%	OK
INCIDIN FOAM (Ecolab)	Pure	OK
INCIDIN PLUS (Ecolab)	2%	OK
JODTINKTUR (Hetterich)	Pure	NOT OK!
KODAN TINKTUR FORTE (Schulke)	Pure	OK
MIKROBAC FORTE (Hartmann)	4%	OK
SODIUMHYPOCHLORITE (Standard)	1000ppm	OK
OCTENISEPT (spray) (Schulke)	Pure	OK
P3-TOPAX 66 (Ecolab)	5%	OK
SAGROTAN (Spray) (Reckitt Benckiser)	Pure	OK
SANIT P20 (Iberian Cleaning Experts)	Pure	OK
SPRING (Kalle Original)	Pure	OK
SPRINT 200 (Diversey)	2%	OK
SUMA BAC D10 (Johnson Diversey)	1%	OK
SURFA'SAFE (Anios Laboratories)	Pure	OK
TOPMAX 421 (Ecolab)	5%	OK
VIRKON (Du Pont)	10g/l	OK
VOLVONE (Oyar)	40%	OK