



## The EU Ecolabel for Bed Mattresses

### "The official European label for Greener Products"

Choose the EU Ecolabel for your Bed Mattresses to show your commitment to a better environment.

### Once it's on your products, the EU Ecolabel guarantees

- High-quality long-lasting product
- Hazardous substances restricted
- Indoor air pollution reduced

The EU Ecolabel can be awarded to products that consist of cloth covering that are filled with materials and that can be placed on an existing supporting bed structure, or a designed for free standing structure in order to provide a surface to sleep or rest upon for indoor use.

### Meet your customers' demand

Today, consumers are more aware that protecting the environment is fundamental. Four out of five European consumers would like to buy more environmentally friendly products, provided that they are properly certified by an independent organisation. With your products bearing the EU Ecolabel, you offer consumers a reliable logo to easily identify high performing environmentally friendly products that are available on the European market.

## Give your Bed Mattresses a credible sign of environmental excellence... apply for the EU Ecolabel!

◆ For a quick test, use the check list on the back!

### For more information...

... on the scheme, its feature, the actors involved, the application process:  
<http://ec.europa.eu/environment/ecolabel>

... on the detailed criteria for Bed Mattresses product group:  
<http://ec.europa.eu/environment/ecolabel/products-groups-and-criteria.html>



### They said it!

"EUROPUR is the trade association of manufacturers of flexible polyurethane foam, used notably in bed mattresses. The criteria for flexible polyurethane foam of the EU Ecolabel for mattresses are the same as those of our own voluntary environment, health and safety standard (CertiPUR). They are state of the art in regards to the substances that should not be used, or should be strictly limited in foam and thus provide a real assurance for consumers as regards the safety of the product. The process is also very simple: Mattress producers can combine EU Ecolabel foam with other EU Ecolabel components to offer consumers with bed mattresses bearing the official EU label for greener products".

*Michel Baumgartner, Secretary General, EUROPUR*

...to market your EU Ecolabel products use our free E-catalogue: <http://ec.europa.eu/ecat>

## Request (for a first assessment only) in terms of requirements

This is a non exhaustive list of EU Ecolabel criteria for Bed mattresses. Please see the [Commission Decision \(2014/391/EU\)](#) for full details.

Life cycle step	Criterion	Expectations
Manufacturing	Latex foam	<p>Only if latex foam contributes to more than 5% of the total weight of the mattress:</p> <ul style="list-style-type: none"> <li>• Concentrations in the latex foam of specific substances should not exceed the values specified in the full <a href="#">criteria document</a>.</li> <li>• Restrictions on specified VOC compounds emissions and on the use of dyes are listed in the full <a href="#">criteria document</a>.</li> </ul>
Manufacturing	Coconut fibres	<ul style="list-style-type: none"> <li>• Criteria for latex foam shall be considered if coconut fibre material is rubberised using latex and contributes to more than 5 % of the total weight of the mattress.</li> </ul>
Manufacturing	Polyurethane foam	<p>Only if used PUR foam contributes to more than 5% of the total weight of the mattress :</p> <ul style="list-style-type: none"> <li>• Concentration in the PUR foam of specific substances should not exceed the value specified in the full <a href="#">criteria document</a>.</li> <li>• Total chlorine content of TDI shall not exceed 0,07 % by weight.</li> <li>• Halogenated organic compounds as blowing agents are not allowed.</li> <li>• Restrictions on specified VOC compounds emissions and on the use of dyes are listed in the full <a href="#">criteria document</a>.</li> </ul>
Manufacturing	Wire and springs	<p>Only if wire and springs contribute to more than 5 % of the total weight of the mattress:</p> <ul style="list-style-type: none"> <li>• If organic solvents are used for cleaning/degreasing of wire or springs, a closed cleaning/degreasing system is necessary.</li> <li>• Springs shall not be covered with a galvanic metallic layer.</li> </ul>
Manufacturing	Textiles	<ul style="list-style-type: none"> <li>• Substances excluded in the production of all mattress covers and limit values for Alkylophenols and APEOs are listed in the <a href="#">full criteria document</a>. At least 95 % by weight of surfactants, softeners and complexing agents shall either be readily biodegradable under aerobic conditions or inherently biodegradable or eliminable in wastewater treatment plants. Non-ionic and cationic surfactants shall also be readily biodegradable under anaerobic conditions.</li> <li>• Chlorine agents are excluded when bleaching yarns, fabrics or end-products with the exception of man-made cellulose fibres. In the finished fibres, the total amount of chlorine and organically bound chlorine is limited to 150 ppm or 0,170 kg/ADt pulp in the wastewater from pulp manufacturing. Elemental chlorine shall not be used to bleach pulp used to manufacture man-made cellulose.</li> <li>• Restrictions on the use of dyes is listed in the full <a href="#">criteria document</a>.</li> <li>• Limitations on extractable metals are listed in the full <a href="#">criteria document</a>.</li> <li>• Fluorinated water, stain and oil repellent treatment are forbidden. Non-fluorinated treatments shall be biodegradable and non-bioaccumulative in the aquatic environment and additionally comply with the hazardous substances' requirements.</li> <li>• Wastewater discharges in the environment shall not exceed 20 g COD/kg textile processing.</li> <li>• Effluent's pH and temperature and colour removal treatments should meet the requirements set out in the full <a href="#">criteria document</a>.</li> <li>• Mechanical properties of the mattress cover shall meet the testing standards specified in the full <a href="#">criteria document</a>.</li> <li>• Removable and washable covers shall retain their flame retardancy functionality after 50 wash and tumble dry cycles at a minimum of 75 °C. Non-removable covers shall retain their functionality after a soak test.</li> <li>• For mattress covers that are removable and washable, the dimensional changes after washing and drying shall not exceed ±3% for woven fabrics, and ± 5% for nonwoven fabrics.</li> </ul>
Manufacturing	Glues and adhesives	<ul style="list-style-type: none"> <li>• Glues containing organic solvents shall not be used.</li> </ul>
Manufacturing	Flame retardants	<ul style="list-style-type: none"> <li>• Prohibited flame retardants are listed in the full <a href="#">criteria document</a>.</li> </ul>
Manufacturing	Biocides	<ul style="list-style-type: none"> <li>• The use of any biocidal active substance in the product shall comply with the hazardous substances' requirements and have to be authorised under Regulation (EU) No 528/2012 of the European Parliament and of the Council.</li> <li>• Chlorophenols, polychlorinated biphenyl (PCB), organo-tin compounds and diethyl fumarate (DMFu) shall not be used during the transportation or storage of the product.</li> </ul>
Manufacturing	Plasticizers	<ul style="list-style-type: none"> <li>• Plasticizers that shall not be added intentionally to the product can be found in the full <a href="#">criteria document</a>.</li> </ul>
Manufacturing	Hazardous substances and mixtures	<ul style="list-style-type: none"> <li>• The product shall not contain substances or mixtures meeting the criteria for classification with the hazard statements or risk phrases in accordance with Regulation (EC) No 1272/2008 listed in the <a href="#">criteria document</a> nor contain substances or mixtures referred to in Article 57 of Regulation (EC) No 1907/2006.</li> <li>• In accordance with Article 6(7) of Regulation (EC) No 66/2010, some substances are derogated from the requirements above (no derogation for substances identified as substances of very high concern and included in the list provided for in Article 59(1) of Regulation (EC) No 1907/2006).The substances are listed in the full <a href="#">criteria document</a>.</li> </ul>
Manufacturing	Emission of specified VOCs	<ul style="list-style-type: none"> <li>• The contribution of mattresses to the VOC content of the indoor air shall not exceed the final values reported in the full <a href="#">criteria document</a>.</li> </ul>
Use	Technical performance	<ul style="list-style-type: none"> <li>• The product shall be designed as a quality product meeting the needs of the consumer.</li> <li>• Mattresses shall present a loss of height lower than 15 % and a loss of firmness lower than 20 %.</li> <li>• A list of recommendations shall be reported in the warranty documentation, which should be valid for at least 10 years (excluding cot mattresses).</li> </ul>
Use	Information appearing on the EU Ecolabel	<ul style="list-style-type: none"> <li>• The optional label with text box shall contain the following text: <ul style="list-style-type: none"> <li>– High-quality long-lasting product</li> <li>– Hazardous substances restricted</li> <li>– Indoor air pollution reduced</li> </ul> </li> <li>• The use of the optional label with the text box is explained in the "<a href="#">Guidelines for the use of the EU Ecolabel logo</a>".</li> </ul>
Use	User info	<ul style="list-style-type: none"> <li>• A list of recommendations on how to use, maintain and dispose the mattress shall be provided.</li> </ul>
End of life	Disassembly design & material recovery	<ul style="list-style-type: none"> <li>• The manufacturer shall demonstrate that the mattress can be dismantled for undertaking repairs and replacements of worn-out parts, upgrading older or obsolete parts, and separating parts and materials for its potential recycle.</li> </ul>