



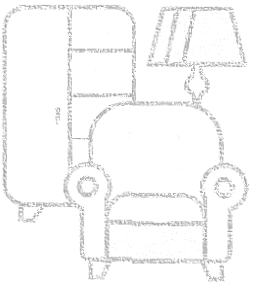
EU Ecolabel criteria for furniture



Antonio Delre – Project Officer at JRC

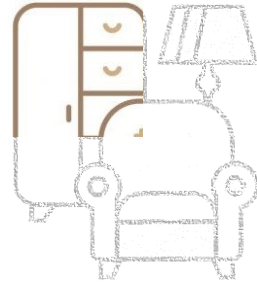
*SUSBIND Final Online Conference:
"From sustainable raw materials to sustainable recycling in furniture"*

1 June 2022

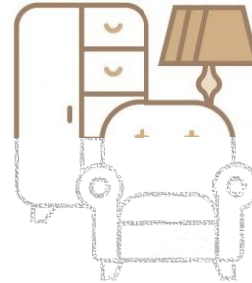


Content

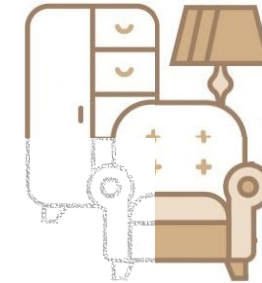
1. Introduction



2. EU Ecolabel criteria overview

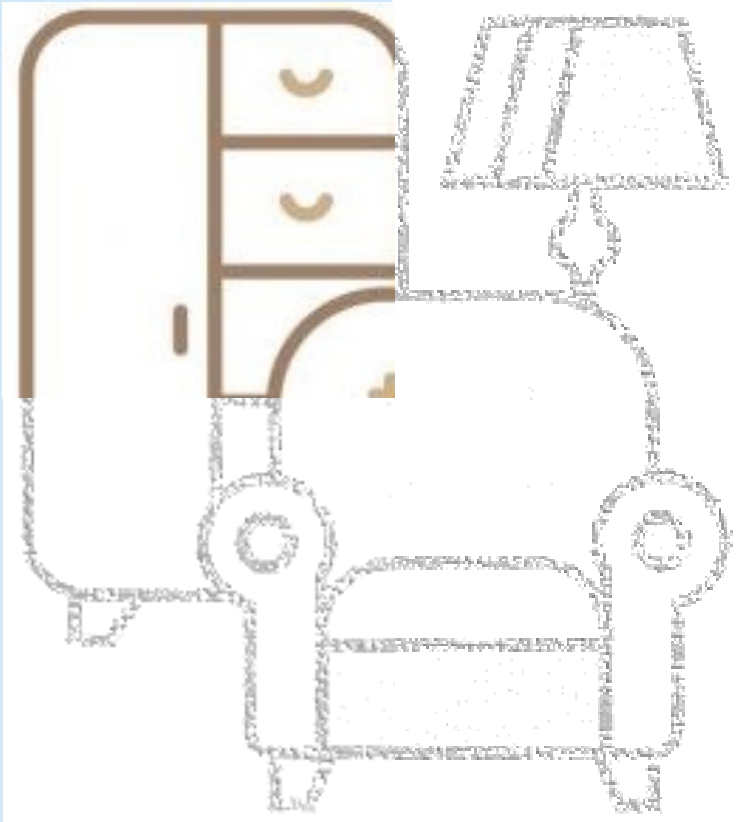


3. Formaldehyde emissions from wood-based panels



4. Possible developments

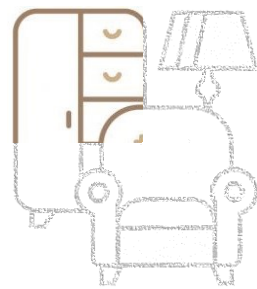




1. Introduction

- a) The EU Ecolabel
- b) Products and licences for the product group of furniture

1a. The EU Ecolabel

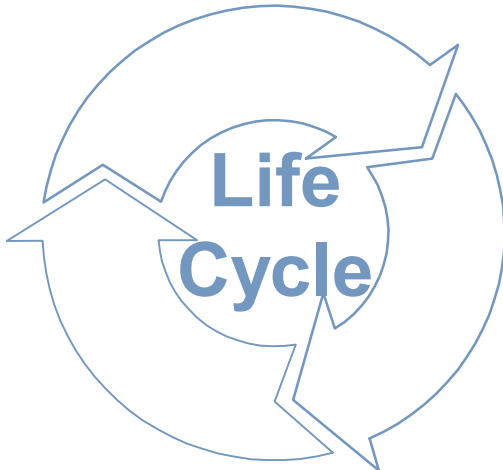


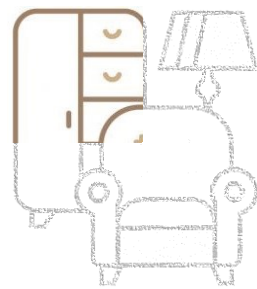
Regulation
(EC) 66/2010

EU voluntary label for environmental excellence

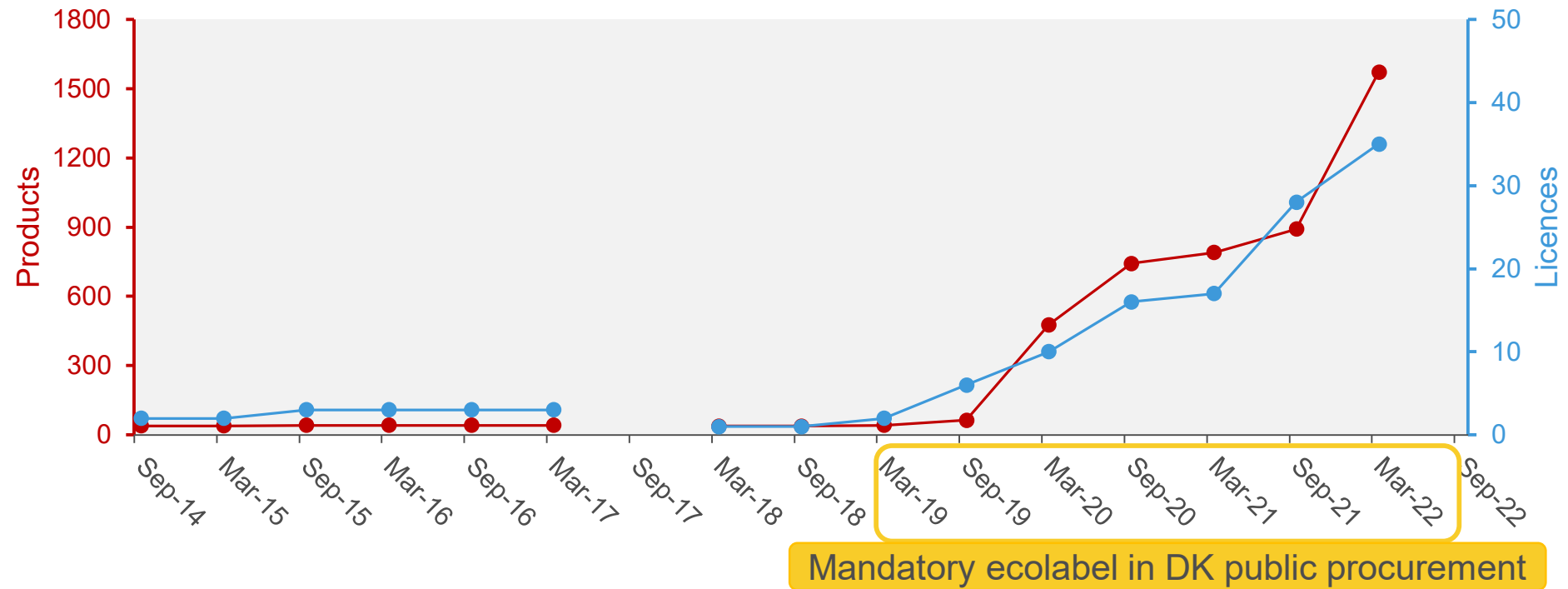
89 357 products
2 239 licenses

It certifies products with a guaranteed, independently-verified low environmental impact



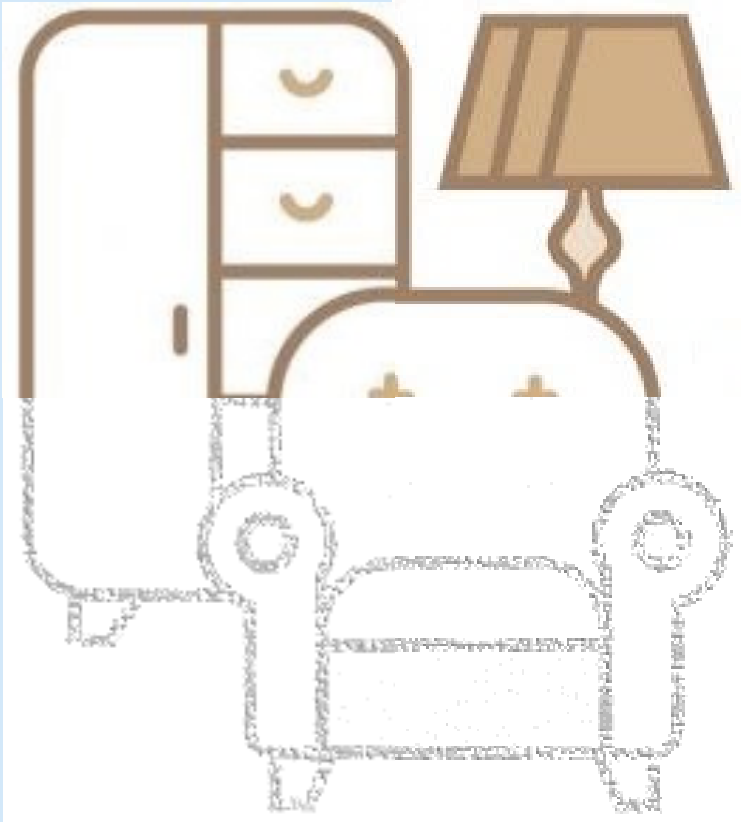


1b. Products and licences for furniture



Date	TOT	Austria	Czechia	Germany	Denmark	Spain	Finland	Italy	Netherlands	France	Sweden
Mar-22	1572	48	4	1	1342	104	1	42	28	1	1
	35	1	2	1	24	1	1	2	1	1	1

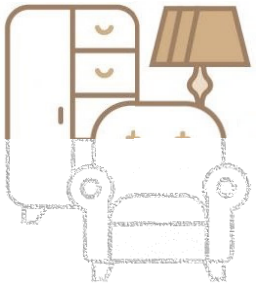
2. EU Ecolabel criteria



Current validity
will be extended

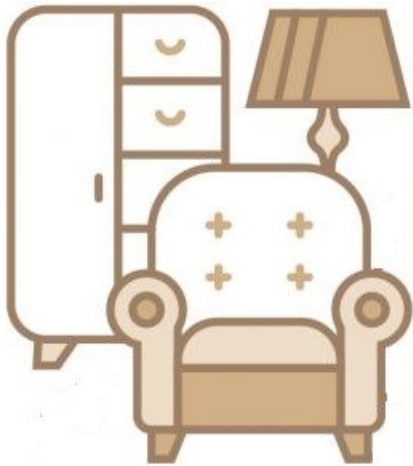
Commission Decision (EU)
2016/1332

- a) Scope
- b) Criteria overview
- c) Formaldehyde emissions from wood-based panels



2a. Scope

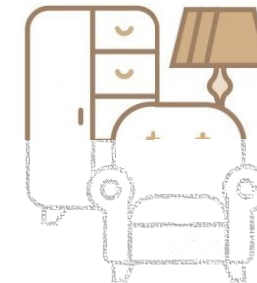
Article 1



Excluded from the scope

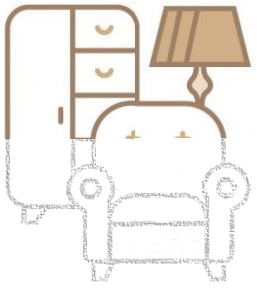
Article 2

- Bed mattresses
- Products with other specific primary functions
- Remanufactured furniture
- Furniture fitted in vehicles
- Furniture products which consist of more than 5% in weight of specific materials



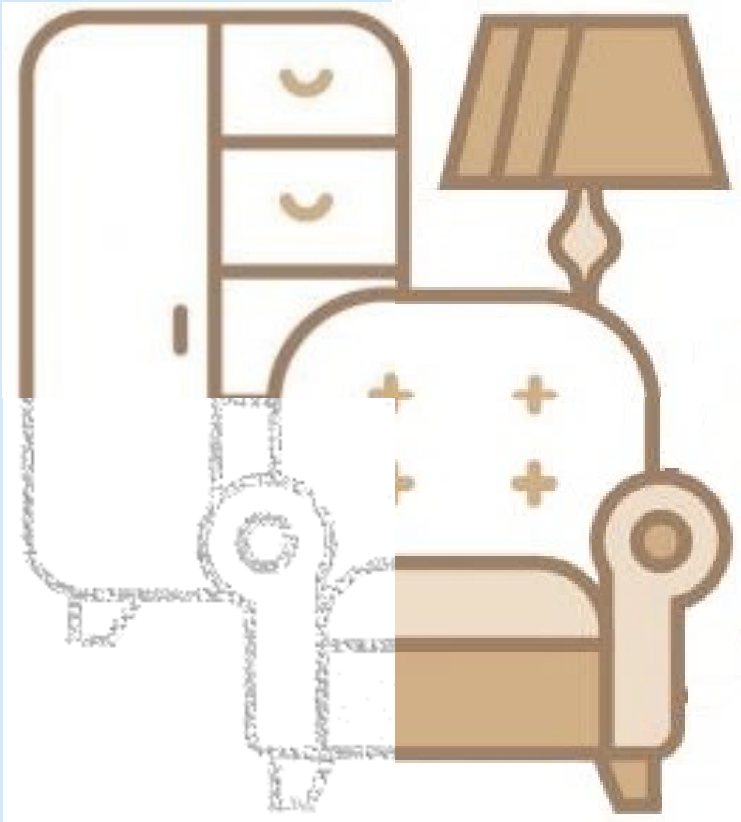
2b. Criteria overview

- | | |
|---|--|
| 1) Product description | Technical drawings |
| 2) General requirements for hazardous substances and mixtures | Substances of Very High Concern |
| 3) Wood, cork, bamboo and rattan | |
| 4) Plastics | PVC free – Heavy metals in additives – Recycled content |
| 5) Metals | Electroplating – Heavy metals and VOC in paints |
| 6) Upholstery covering materials | PVC free – Material requirements – VOC emissions – Blowing agents |
| 7) Upholstery padding materials | |
| 8) Glass: use of heavy metals | Lead, Mercury and Cadmium |
| 9) Final product requirements | Easy disassembly for repair, reuse and recycling
Extended product guarantee
Provision of spare parts |
| 10) Consumer information | |
| 11) Information appearing on the EU Ecolabel | |

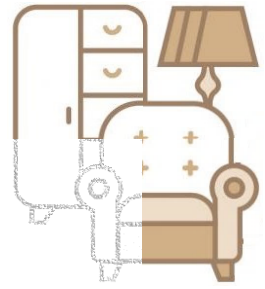


2b. Criteria overview

- 1) Product description
- 2) General requirements for hazardous substances and mixtures
- 3) Wood, cork, bamboo and rattan
- 4) Plastics
 - Sustainable wood
- 5) Metals
- 6) Upholstery covering materials
 - Contaminants in recycled wood used in wood-based panels
- 7) Upholstery padding materials
 - Heavy metals and VOC in paints, primers and varnishes
- 8) Glass: use of heavy metals
 - **Formaldehyde emissions from wood-based panels**
- 9) Final product requirements
- 10) Consumer information
- 11) Information appearing on the EU Ecolabel



3. Formaldehyde emissions from wood-based panels



3. Formaldehyde emissions from wood-based panels

Emissions shall be lower than either

50% E1
(EN 13986)

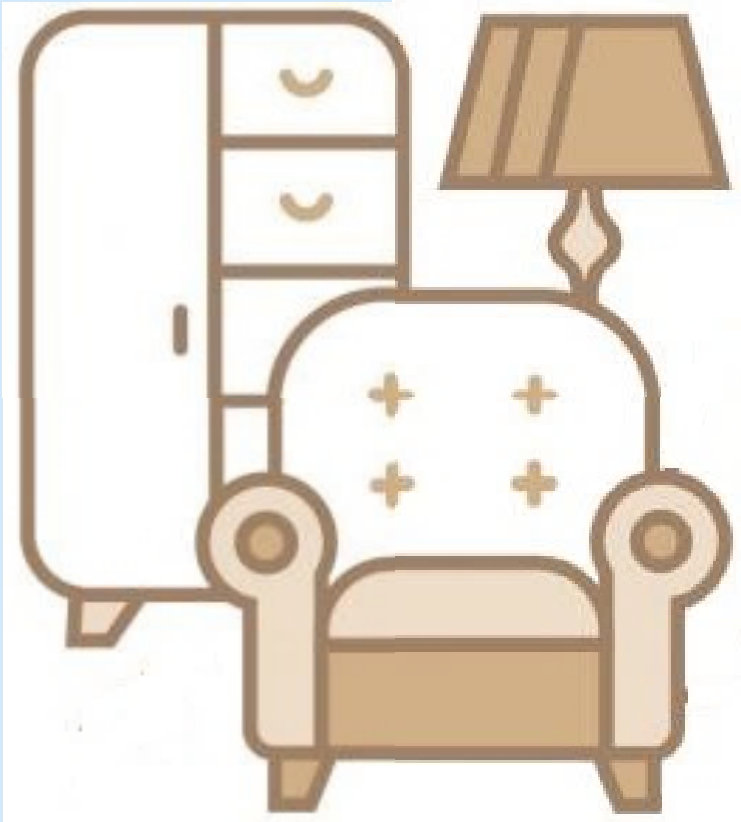
65% E1
(EN 13986)
for MDF

CARB Phase II
JIS F-3 star
JIS F-4 star

**Content > 5%
of the product**

**In the form
used in the
product**

4. Possible developments

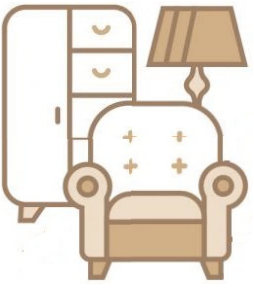


Proposal
COM(2022) 142

Ecodesign for Sustainable Product Regulation

Furniture is a suitable candidate to be included in the first working plan

A specific Delegated Act will address ecodesign of furniture



Proposed ecodesign requirements

Durability

Reliability

Reusability

Upgradability

Reparability

Presence of substances of concern

Recycled content

Environmental impacts

Energy use or energy efficiency

Resource use or resource efficiency

Expected generation of waste materials

Possibility of remanufacturing and recycling

Possibility of recovery of materials

Possibility of maintenance and refurbishment

Wrap up



Products	1572
Licences	35

Mandatory EU GPP could incentivise industry to apply for EU Ecolabel

Requirements for **formaldehyde** emissions from wood-based panels

Future criteria will consider provisions set by the future Regulation on Ecodesign for Sustainable Products

Thank you



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