

# Amendment specification

2024-07-01 ver.16.2

Möbelfakta's requirement specification

# Instruction

This amendment document applies to Möbelfakta's updated requirements according to changes in standards from July 1, 2024.

This document only contains chapters with changes in Chapter 1, Quality, and Chapter 2, Environment.

- **Yellow text** meaning new text compared to previous version of the requirements
- **Overwrite** (and underscore for ~~\*~~) meaning text is removed compared to previous requirements
- All parts are included in this document, but only sections containing markings show changes to previous requirements

## The following chapters have new or updated quality requirements

Chapter 1: Updates regarding new standards and transition periods for:

- EN 16121
- EN 15372
- EN 1725
- EN 747-1
- EN 14434

Del 2: Editorial changes and clarifications in the following sections::

- 2.1.2
- 2.1.3
- 2.1.3.8
- 2.1.6.4

**Other yellow-highlighted headings in the table of contents indicate that editorial changes, clarifications, or updates to the standard have been made in the respective section.**

## CONTENTS

CONTENTS .....	3
WHAT IS A PIECE OF FURNITURE LABELED WITH MÖBELFAKTA? .....	4
WHICH CATEGORIES OF FURNITURE CAN BE APPROVED? .....	4
<b>PRODUCT AND MATERIAL INFORMATION FOR MÖBELFAKTA</b> .....	4
<b>THE PROCESS FOR DECLARING WITH MÖBELFAKTA</b> .....	5
<b>1 QUALITY</b> .....	6
1.1 Safety/function .....	6
1.1.1 Domestic environment .....	6
1.1.2 Non-domestic .....	9
1.1.3 Office environment .....	14
1.1.4 Educational environments .....	18
<b>2 ENVIRONMENT</b> .....	22
2.1 Mandatory material requirements .....	22
2.1.1 SVHC/ECHA's candidate list .....	22
2.1.2 Wood and wood-based material .....	22
2.1.3 Textile and leather .....	23
2.1.4 Plastic and rubber .....	27
2.1.5 Padding material .....	28
2.1.6 Surface treatment of wood, plastic and metal .....	29
<b>3 INFORMATION</b> .....	32
3.1 Version history .....	32

## WHAT IS A PIECE OF FURNITURE LABELED WITH MÖBELFAKTA?

Möbelfakta is an environmental label that promotes the production of safe, high-quality furniture that is both environmentally friendly and manufactured under good and ethical conditions. By focusing on quality, the environment and responsible supply chains, Möbelfakta ensures that furniture meets important standards.

When it comes to quality, Möbelfakta places appropriate and reasonable demands on the products to ensure their durability and safety for the user. This means that the furniture must have a long life and be adapted to the environment they are intended for.

Environmental focus is also a central part of Möbelfakta. The labeling requires that furniture must not contain dangerous chemicals in materials and components such as glue, varnish, textile, metal, plastic or rubber. This helps to protect both human health and the environment. In addition, Möbelfakta demands that the wood material used in the furniture comes from legally harvested sources, which helps to counter deforestation and illegal trade in wood.

Another important aspect of Möbelfakta's work is to promote responsible supply chains. The label requires furniture manufacturers to follow the principles of human rights, ensure a good working environment, work actively with environmental issues and fight corruption. By promoting these principles, Möbelfakta strives to ensure that the furniture is not only safe and of high quality, but also manufactured under fair and ethical conditions.

## WHICH CATEGORIES OF FURNITURE CAN BE APPROVED?

Today, furniture within the following product categories can be labeled through Möbelfakta:

- Table
- Seating furniture
- Seating for children
- Storage furniture / Kitchen / Bath
- Screen walls
- Lounge furniture / Mattresses
- Bunk beds / High beds
- High chairs for children
- Sound absorbers
- Blackboards
- Mobile room units

## PRODUCT AND MATERIAL INFORMATION FOR MÖBELFAKTA

The specification contains all requirements distributed in respective chapters for quality, environment, and responsible supply chains. Additionally, the furniture manufacturer must also provide the following information.

**Product information:** Product name, image, description of the product and the various versions referred to in the declaration.

**Furniture type and usage environment:** Information about the product category and the intended usage environment for the product (home environment, public environment, office environment, school environment, or outdoor environment).

**Material disclosure:** Disclosure of the materials that the various components of the furniture are made of.

**Supplier information:** Details about the suppliers of the main materials.

**Manufacturing location:** The final manufacturing location of the furniture must be indicated

## THE PROCESS FOR DECLARING WITH MÖBELFAKTA

To declare products as a furniture manufacturer with Möbelfakta as a new company, follow these steps:

**Application and License Agreement:** The application form is available on Möbelfakta's website. Once the application is submitted, a license agreement will be sent for signing. As a new company, you will pay an application fee, and upon approval, annual fees will be paid according to the license agreement.

**Training:** The company must participate in two mandatory training sessions that focus on Möbelfakta's requirements and processes as well as supplier chain risk analysis. At least one person from the company must be a registered declarant who has completed these trainings.

**Compliance with Requirements:** The company ensures that documentation and procedures are in place to demonstrate that the product meets Möbelfakta's requirements before the product declaration is submitted to Möbelfakta.

**Declaration of the First Product:** After completing the trainings, the registered declarant receives login details for Möbelfakta's e-declaration system. The declarant prepares a digital declaration of the product and certifies that the product meets Möbelfakta's requirements.

**Review and Approval:** The review is conducted after notification to Möbelfakta and takes place at specific times during the year. The review is carried out in two stages and includes both documentation and on-site visits. Upon successful review, the company and product are published on Möbelfakta's website. Thereafter, the company can declare more products through a simplified procedure. Random checks according to the review description above are conducted continuously at each company during the validity period in accordance with the license agreement.

**Validity of Approved Products:** Once a product has been approved and published on Möbelfakta's website, it is valid for five years. The validity of approvals from Möbelfakta applies provided that the product meets current requirements and the license terms. When Möbelfakta Sverige AB changes the Möbelfakta Requirements Specification, the Licensee is obliged to adapt the declared product within the transition period notified in the requirements specification for the certificate to remain valid.

# 1 QUALITY

## 1.1 Safety/function

Safety/function is the collective term for the properties in the basic standards designated safety, strength and durability. Safety/function covers, and is separated into, the different environmental categories that an item of furniture is intended for and is tested for according to the relevant standard.

A valid test report/certificate from an accredited institute/laboratory/enterprise must be available to verify the safety/function requirements. A valid test report/certificate means that the item of furniture/component is tested according to applicable standards including normative annex and has not changed in significant respects since it was tested. It is possible to test according to preliminary standards during the revision process. This is only applicable where those preliminary standards are in the approval phase where no technical changes are allowed. Where applicable, there is a transition period for the current standard which in those cases are specified in the requirement.

### 1.1.1 Domestic environment

#### 1.1.1.1 Seating furniture

The following standard sets the requirements for an item of seating furniture for adults, intended for use in a domestic environment. The requirements apply to all types of seating for domestic use.

EN 12520:2016

Domestic furniture – Seating furniture – Strength, durability and safety requirements

#### 1.1.1.2 Tables

The following standard sets the requirements for a table for adults, intended for use in a domestic environment. The requirements apply to all types of tables for domestic use.

- Glass as a material is included in section 1.7.

EN 12521:2016

Domestic furniture – Tables – Strength, durability and safety requirements.

#### 1.1.1.3 Storage units/kitchen/bathroom

The following standard sets the requirements for a storage unit intended for domestic use. Fittings for kitchens and bathrooms included. The requirements apply to all types of storage furniture including worktops for domestic use. The units may be either freestanding or attached to the wall/building.

- ~~— Kitchen drawers and doors should be tested at 80,000 cycles according to EN 16121:2013+A1:2018 table 5 level 2 and other storage furniture at 20,000 cycles.~~
- Kitchen drawers and doors should be tested according to EN 16121:2024, Table 5, Level 1
- Glass as a material is included in section 1.7.

EN  
14749:2016+A1:2022

Furniture for domestic and kitchen use – Storage units and work tops – Safety requirements and test methods.

\* Tests performed according to EN 14749:2016 are accepted until 2025-12-31.

Alternatively:

EN  
16121:2024\*~~:2013+~~  
~~A1:2018~~ Level 1

~~Non-domestic furniture – Storage furniture – Strength, durability and safety requirements.~~ Non-domestic storage furniture - Requirements for safety, strength, durability and stability

\* Tests performed according to EN 16121:2013 + A1:2018 Level 1 are accepted until 2027-12-31.

For other **freestanding storage furniture** such as magazine racks, coat hangers, etc. additional requirements as specified below apply:

EN 1023-2:2000*	<b>Office furniture - Screens - Part 2: Mechanical safety requirements</b>
-----------------	--

\*refers only to l stability only stability according to EN 1023-3:2000, 6.1

#### 1.1.1.4 Reclining furniture/mattresses

The following standard sets the requirements for reclining furniture or mattresses for adults, intended for domestic use

The requirements apply to the following types of reclining furniture and mattresses:

- Complete beds including relevant parts such as bedstead, bed base, mattress and overlay mattress.
- Bedstead with or without bed base.
- Bedstead with or without frame ends.
- Bed base.
- Mattress, including overlay mattress when applicable.

EN 1725: <del>2023:1998</del> *	Domestic furniture – Beds and mattresses – Safety requirements and test methods.
EN 1957:2012	Domestic furniture - Beds and mattresses - Test methods for the determination of functional characteristics.
EN 1022:2018	Domestic furniture – Seating – Determination of stability

\*Supplementary requirement is 25,000 cycles according to EN 1725 item 6.

\*Supplementary requirement is 20,000 cycles according to EN 1725:1998 item 7.3 and 25,000 cycles according to item 7.5.

#### 1.1.1.5 Bunk beds/high beds

The following standard sets the requirements on bunk beds/high beds for domestic use. The requirements include bunk beds and high beds with a width of  $\leq 1,200$  mm. The distance, from the floor to the upper surface of the bed base, shall be  $\geq 800$  mm. The main purpose of these requirements is to prevent accidents to children.

Other products that may be included in a bunk bed or a high bed, e.g. tables or storage units, are not included in the specification.

EN 747-1: <del>2024:2012</del> + <del>A1:2015</del>	Domestic furniture – Bunk beds and high beds – Part 1: Safety, strength and durability requirements.
--	--

#### 1.1.1.6 Children's high chairs

The following standard sets the requirements on children's high chairs for domestic use. The requirements include two different categories; active and passive high chairs. Active chairs are chairs where the child is strapped into the chair and passive chairs are where the child is not strapped in. The type of chair must be specified.

The requirements for high chairs are based upon the chair being used by children aged 6-36 months

EN 14988:2017 + <del>A1:2020</del> <del>A2:2024</del>	Children's high chairs - Part 1: Safety requirements
--	--

\* Tests performed according to EN 14988:2017 and EN 14988:2017+A1:2020 are accepted until 2025-12-31.

### 1.1.1.7 Seating for children

The following standard sets the requirements for seating for children in domestic use. The requirement is based on that the furniture is used by children that is able to sit and walk by themselves up to 14 years.

The requirements is divided into 3 seating sizes based on age and body height

Seating size 1: 1-3 years

Seating size 2: 4-7 years

Seating size 3: 8-14 years

It applies to the seating function only. If the seating has additional functions or can be converted into other products, other relevant European Standards may apply.

The standard is developed under a mandate from the EU-Commission, M/527 (Children seats) and it is intended to be published in the OJEC.

EN 17191:2021

Seating for children – Safety requirements and test methods



## 1.1.2 Non-domestic

### 1.1.2.1 Seating furniture

The following standard sets the requirements on seating furniture for adults intended for use in a non-domestic environment. The requirements apply to all types of seating for non-domestic use:

- Chair/armchair
- Stool
- Easy chair/sofa including corner and section combinations
- Bench

EN 16139:2013\*

Non-domestic furniture - Seating furniture - Strength, durability and safety requirements.

\*Furniture tested in accordance with EN 16139:2013 should be tested to at least level 1.

#### Load listing at higher user loads

With higher user weights, loads can be listed according to ISO 21015:2007 which means that the number of test loads in EN 16139: 2013 Table 1 should be listed using a factor which is directly proportional to the increase in load compared with the normal user weight of 110 kg. With user weights exceeding 110 kg the factors in Table 1 in EN 16139:2013 below should be listed: 1, 2, 4, 6, 8, 9, 10, 12, and 13. With user weights up to 160 kg factors/loads should be listed using a multiple of 1.4 and with user weights up to 200 kg by 1.8. Factor 14 in Table 1 in EN 16139:2013 should be selected according to level 2 with user weights exceeding 110 kg.

### 1.1.2.2 Tables

The following standard sets the requirements on a table for adults intended for use in a non-domestic environment. The requirements include all types of table for non-domestic use:

- Dining table
- Desk/work table, other non-office tables
- Coffee table
- Sideboard

Glass as a material is included in section 1.7.

EN 15372:20242016  
Level 2\*

~~Non-domestic furniture – Tables – Strength, durability and safety requirements.~~ Furniture - Strength, durability and safety - Requirements for non-domestic tables

\*Tests carried out according to SS-EN 15372:2016, Level 2 until 2027-12-31 are accepted

### 1.1.2.3 Storage furniture

The following standards set the requirements on a storage unit intended for use in a domestic environment. The requirements apply to all types of storage furniture for use in a domestic environment:

- Cupboard/cabinet/corner cupboard
- Chest of drawers/draw unit
- Bookshelf
- Bureau

Fittings:

- Base cabinet
- Wall cabinet
- High cabinet
- Worktops
- Coat hangers
- Magazine racks

The units may be either freestanding or attached to the wall/building.

EN 16121:20242013  
+ A1: 2018 Level 1

~~Non-domestic furniture – Strength, durability, stability and safety requirements.~~ Non-domestic storage furniture - Requirements for safety, strength, durability and stability

\* Tests performed according to EN 16121:2013 + A1:2018 Level 1 are accepted until 2027-12-31.

For other **freestanding storage furniture** such as magazine racks, coat hangers, etc. additional requirements as specified below apply:

EN 1023-2:2000*	<b>Office furniture - Screens - Part 2: Mechanical safety requirements</b>
-----------------	--

\*refers only to l stability only stability according to EN 1023-3:2000, 6.1

### 1.1.2.4 Kitchens & Bathrooms

The following standard sets the requirements for kitchens & bathrooms intended for use in a non-domestic environment  
 The requirements apply to all types of storage furniture for kitchen & bathroom incl. worktops:

- Worktops
- Bench cupboard
- High cabinet
- Wall cabinet
- All cabinets including fittings.

**Kitchen drawers and doors should be tested according to EN 16121:2024, Table 5, Level 1**

~~Kitchen drawers and doors should be tested at 80,000 cycles according to EN 16121:2013 + A1:2018 table 5 level 2.~~

EN 14749:2016 +A1:2022*	Domestic and kitchen storage units and work tops - Safety requirements and test methods.
----------------------------	--

\* Tests performed according to EN 14749:2016 are accepted until 2025-12-31.

Alternatively:

EN 16121:2024* 2013+ <del>A1:2018</del> Level 1	<del>Non-domestic furniture – Storage furniture – Strength, durability and safety requirements.</del> <b>Non-domestic storage furniture - Requirements for safety, strength, durability and stability</b>
--	---

\* Tests performed according to EN 16121:2013 + A1:2018 Level 1 are accepted until 2027-12-31.

### 1.1.2.5 Reclining furniture/mattresses

The following standard sets the requirements for reclining furniture or a mattress for adults for use in a non-domestic environment. These requirements are based on the European standard for domestic use, EN 1725:1998 including some tightening. The requirements apply to the following types of reclining furniture and mattresses:

- Complete beds including relevant parts such as bedstead, bed base, mattress and overlay mattress.
- Bedstead with or without bed base.
- Bedstead with or without frame ends.
- Bed base.
- Mattress, including overlay mattress when applicable.

EN 1725: <del>2023</del> 1998*	Domestic furniture – Beds and mattresses – Safety requirements and test methods.
EN 1957:2012	Domestic furniture - Beds and mattresses - Test methods for the determination of functional characteristics
EN 1022: EN 1022:2018	Domestic furniture – Seating – Determination of stability

\*Supplementary requirement is 25,000 cycles according to EN 1725 item 6.

~~\* Supplementary requirement is 20,000 cycles according to EN 1725:1998 item 7.3 and 25,000 cycles according to item 7.5.~~

### 1.1.2.6 Bunk beds/high beds

The following standard sets the requirements for bunk beds/high beds intended for use in a non-domestic environment.

The distance, from the floor to the upper surface of the bed base, shall be  $\geq 800$  mm. The main purpose of the requirements is to prevent accidents to children.

Other products that may be included in a bunk bed or a high bed, e.g. tables or storage units, are not included in the specification.

EN 747-1:  
~~2012~~  
 + A1:2015

~~Domestic furniture — Bunk beds and high beds — Part 1: Safety, strength and durability requirements.~~ Furniture. Bunk beds and high beds Safety, strength and durability requirements

### 1.1.2.7 Children's high chairs

The following standard sets the requirements on children's high chairs in non-domestic environments. The requirements include two different categories; active and passive high chairs. Active chairs are chairs where the child is strapped into the chair and passive chairs are where the child is not strapped in. The category of chair must be specified.

The requirements for high chairs are based upon the chair being used by children aged 6-36 months.

EN 14988:2017  
 + A1:2020 A2:2024

Children's high chairs - Part 1: Safety requirements

\* Tests performed according to EN 14988:2017 and EN 14988:2017+A1:2020 are accepted until 2025-12-31.

### 1.1.2.8 Seating for children

The following standard sets the requirements for seating for children in non-domestic use. The requirement is based on that the furniture is used by children that is able to sit and walk by themselves up to 14 years.

The requirements is divided into 3 seating sizes based on age and body height

Seating size 1: 1-3 years

Seating size 2: 4-7 years

Seating size 3: 8-14 years

It applies to the seating function only. If the seating has additional functions or can be converted into other products, other relevant European Standards may apply.

The standard is developed under a mandate from the EU-Commission, M/527 (Children seats) and it is intended to be published in the OJEC.

EN 17191:2021

Seating for children – Safety requirements and test methods

### 1.1.2.9 Screens

The following standard sets the requirements for partitions for non-domestic environments. The requirements cover stand-alone partitions. Declaring the equivalent sound-absorbing area and screen damping according to section 1.6 Acoustics is optional.

EN 1023-2:2000

Office furniture - Screens – Part 2: Mechanical safety requirements

### 1.1.2.10 Sound absorbents

The following requirements apply for measuring and calculating a sound absorbent's acoustic performance. Products that are declared in **Acoustic Facts** fulfil the requirements listed in the specification. Acoustic performance data reported according to this specification can be used for calculating and dimensioning a room's acoustic performance.

In "Guide för ljudabsorbenter" ("Guide for sound absorbents") at [www.mobelfakta.se](http://www.mobelfakta.se) there are recommended minimum values for sound absorption capacity. Procuring organisations such as Kammarkollegiet (The Legal, Financial and Administrative Services Agency) use these recommended levels in their procurements.

#### Sound absorbing area

The below-specified standards for measuring and calculating acoustic performance the sound absorbing area of the sound absorbent shall be reported in the form of a diagram. Complete documentation on performed measurements and calculations in accordance with the standards above shall be kept available.

The requirements cover individual sound absorbents and larger composite surfaces (> 10m<sup>2</sup>) with several sound absorbents.

EN ISO 354:2003

Measurement of sound absorption in a reverberation room.

Individual items are evaluated in accordance with the Swedish standard:

ISO 20189:2019

Acoustics -- Screens, furniture and single objects intended for interior use -- Rating of sound absorption and sound reduction of elements based on laboratory measurements

Larger surfaces (>10m<sup>2</sup>) made up of several sound absorbents should be evaluated in accordance with the Swedish and international standard:

SS-EN ISO  
11654:1997

Acoustics - Sound absorbents for use in buildings - Rating of sound absorption

### 1.1.2.11 Writing boards

The following standard sets the requirements for writing boards and is applicable for safety in normal use, the surface properties, durability of construction and ergonomics.

The requirements cover wall-mounted and stand-alone writing boards of the type writing boards and chalk boards, for educational institutions, offices, conference and board rooms.

EN 14434:2023 <del>2010</del>	<p>Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods</p> <p>When testing whiteboards in accordance with EN 14434:2023<del>2010</del> the whiteboards should meet the standard requirements and minimum level 2 should achieved in terms of:</p> <ul style="list-style-type: none"> <li>- 7.2.3 Ability to write and erase</li> <li>- 7.3.2 Scratching</li> <li>- 7.4.2 Staining</li> <li>- 7.5.2 Colour degradation</li> </ul> <p>When testing whiteboards in accordance with EN 14434:2023<del>2010</del> the whiteboards should meet the standard requirements and minimum level 2 should achieved in terms of</p> <ul style="list-style-type: none"> <li>- 8.3.3 Ability to write</li> <li>- 8.4.2 Scratching</li> <li>- 8.5.2 Staining</li> <li>- 8.6.2 Colour degradation</li> </ul>
-------------------------------	---

### 1.1.2.13 Furniture ensembles and enclosures

This section describes the requirements that furniture ensembles and enclosures must meet and includes general safety requirements, stability and acoustic performance.

Furniture ensembles and enclosures are defined by being self-contained, mobile and soundproof.

Furniture ensembles and enclosures reduce the speech level of the occupant speaking inside the product. Does not refer to individual components used in workstations, such as a screen, storage unit, table, lighting fixture, cabinet, bookshelf, standard chair, wall covering, or ceiling panel. The product must not be permanently part of the construction work.

If the product is equipped with permanently mounted fittings, these must in themselves meet the requirements of Möbelfakta. Examples of relevant legislation are the RoHS Directive, the WEEE Directive and the Ecodesign Directive if external power supply is used. In cases where the product falls under one or more applicable directives or regulations that require CE marking, such as e.g. The Machinery Directive (MD) or the Low Voltage Directive (LVD) must be presented with the CE declaration.

For stability requirements, the following shall be tested and certified:

The product shall not tip over when placed on an inclined plane of 10 degrees, the test shall be carried out in the most unfavorable configuration for the product.

#### Spoken sound reduction requirements for furniture ensembles and enclosures

Speech sound reduction, DS,A [dB], when reported shall be presented in the form of a graph in accordance with ISO 23351-1:2020. This is a requirement for the category furniture ensembles and enclosures. Complete documentation of measurements and calculations carried out in accordance with the above standard shall be available when speech noise reduction is reported. The classification (A+, A, B, C or D) where A+ is the highest rating shall be given in the measurement protocol. Unclassified products cannot be labelled with Möbelfakta in this category.

EN 16121 5.2	General safety requirements (chapter 5.2) from EN 16121:2023 <del>2013+A1:2017</del> Non-domestic storage furniture. Requirements for safety, strength, durability and stability
ISO 23351-1:2020	Acoustics – Measurements of speech level reduction of furniture ensembles and enclosures. Part 1: Laboratory method

### 1.1.3 Office environment

#### 1.1.3.1 Office work chairs

This specification sets the requirements for work chairs intended for use in office environments according to the European standards EN 1335-2 and -3. EN 1335-1 is specified in item 1.2. Dimensions

The requirements include work chairs for office environments according to the following definition: An item of seating furniture for a single person with backrest and with or without armrest. The chair includes a revolving seat and adjustable height.

The chairs are divided into three types – **Ax, A, B and C**.

The type is determined by the adjustment possibilities given by dimensions according to EN 1335-1:2020 (see also 1.2 Dimensions) and EN 1335-4. The requirements are based on being used eight hours a day by a person weighing 110 kg. When declaring a work chair, the chair's category must be specified as below.

Type A: Seat – revolving, more adjustable height, adjustable seating-depth compared to Type A and adjustable leaning.

Type A: Seat – revolving, adjustable height, adjustable seating-depth and adjustable leaning.

Type B: Seat – revolving, adjustable height, fixed/adjustable seating-depth and fixed/adjustable leaning.

Type C: Seat – revolving, adjustable height, fixed/ adjustable seating-depth, fixed/ adjustable leaning. Backrest – fixed height.

EN 1335-2:2018

Office furniture – office work chair – Part 2: Safety requirements

#### 1.1.3.2 Work tables

This specification sets the requirements for a work table and writing table intended for use in an office environment according to the European standard EN 527-2. EN 527-1 is specified in the item 1.2. Dimensions. For tables equipped with an electric motor for adjusting table height, CE marking is a requirement.

When declaring office work tables, you should also specify the type of table referred to in the declaration, table for **sitting, standing or sit/stand**. You must also specify the degree of adjustability according to one of four categories **A, B, C and D** which are specified in EN 527-1:2011.

Type A: Fully adjustable

Type B: Height selectable

Type C: Fixed height

Type D: Limited adjustability or selectability

Include work tables and writing tables according to the following definition

- Tables intended for office work performed by a person.
- Storage units, which are included and coupled/fixed to the table shall be tested in applicable parts according to the applicable standards for storage furniture for offices.

EN 527-2:2016+A1:2019

Office furniture – Work tables and desks – Mechanical safety requirements

#### 1.1.3.3 Storage furniture

The following standards set the requirements on an item of storage furniture for use in an office environment.

~~EN 14073 2:2004~~

~~Office furniture – Storage furniture – Part 2: Safety requirements~~

**Alternatively:**

EN 16121: <del>2013</del> <b>2024</b> + <del>A1:2018</del> Level 1	Non-domestic furniture - Storage furniture - Strength, durability and safety requirements
---	---

**\* Tests performed according to EN 16121:2013 + A1:2018 Level 1 are accepted until 2027-12-31.**

For other **freestanding storage furniture** such as coat hangers or magazine racks, additional requirements as specified below apply

EN 1023-2:2000*	Office furniture - Screens - Part 2: Mechanical safety requirements
-----------------	---

*\*Lateral stability only*

### 1.1.3.4 Screens

The following standards establish the requirements that partitions for office environments should meet. The requirements cover stand-alone partitions. Declaring the equivalent sound-absorbing area and screen damping according to section 1.6 Acoustics is optional.

EN 1023-2:2000	Office furniture - Screens – Part 2: Mechanical safety requirements
----------------	---

### 1.1.3.5 Table mounted screens

The following standards set the requirements for screens intended for use in office environments. The requirements cover screens mounted on table tops for offices. It is also optional to declare equivalent sound-absorption area and screen damping according to section 1.6 Acoustics.

EN 1023-2:2000*	Office furniture – Partitions – Part 2: Mechanical safety requirements
EN 14073-2:2004**	Office furniture – Storage furniture – Part 2: Safety requirements

*\*Load-bearing screen with loads according to EN 1023-2 and 2 times the manufacturer's maximum recommended weight.*

*\*\* Horizontal force 80 N 100 mm from top edge of screen according to EN 14073-2, after testing should be adjustable to original position, damage criteria: breakage, deformation, stability. Vertical force 200 N function and 300 N safety (10 x 10 seconds), 100 mm from edge of screen, damage criteria: no breakage. General exception for lightweight screens where  $mgh \leq 65 \text{ Nm}$ ,  $m = \text{mass (kg)}$ ,  $g = \text{gravitational acceleration (m/s}^2\text{)}$ , height above floor to the screen's centre of gravity ( $m$ ).*

### 1.1.3.6 Sound absorbents

The following requirements apply for measuring and calculating a sound absorbent's acoustic performance. Products that are declared in **Acoustic Facts** fulfil the requirements listed in the specification. Acoustic performance data reported according to this specification can be used for calculating and dimensioning a room's acoustic performance.

In "Guide för ljudabsorbenter" ("Guide for sound absorbents") at [www.mobelfakta.se](http://www.mobelfakta.se) there are recommended minimum values for sound absorption capacity. Procuring organisations such as Kammarkollegiet (The Legal, Financial and Administrative Services Agency) use these recommended levels in their procurements.

#### Sound absorbing area

The below-specified standards for measuring and calculating acoustic performance the sound absorbing area of the sound absorbent shall be reported in the form of a diagram. Complete documentation on performed measurements and calculations in accordance with the standards above shall be kept available.

The requirements cover individual sound absorbents and larger composite surfaces (> 10m<sup>2</sup>) with several sound absorbents.

EN ISO 354:2003

Measurement of sound absorption in a reverberation room.

Individual items are evaluated in accordance with the Swedish standard:

ISO 20189:2019

Acoustics -- Screens, furniture and single objects intended for interior use -- Rating of sound absorption and sound reduction of elements based on laboratory measurements

Larger surfaces (>10m<sup>2</sup>) made up of multiple objects should be evaluated in accordance with the Swedish and international standard:

SS-EN ISO  
11654:1997

Acoustics - Sound absorbents for use in buildings - Rating of sound absorption

### 1.1.3.7 Writing boards

The following standard establishes the requirements for writing boards and is applicable for safety in normal use, the surface properties, durability of construction and ergonomics.

The requirements cover wall-mounted and stand-alone writing boards of the type writing boards and chalk boards, for educational institutions, offices, conference and board rooms.

EN 14434:2023~~2010~~

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

When testing whiteboards in accordance with EN 14434:2023~~2010~~ the whiteboards should meet the standard requirements and minimum level 2 should be achieved in terms of

- 7.2.3 Ability to write and erase
- 7.3.2 Scratching
- 7.4.2 Staining
- 7.5.2 Colour degradation

When testing chalk board in accordance with EN 14434:2023~~2010~~ the writing boards should meet the standard requirements and minimum level 2 should be achieved in terms of

- 8.3.3 Ability to write
- 8.4.2 Scratching
- 8.5.2 Staining



### 1.1.3.8 Furniture ensembles and enclosures

This section describes the requirements that furniture ensembles and enclosures must meet and includes general safety requirements, stability and acoustic performance.

Furniture ensembles and enclosures are defined by being self-contained, mobile and soundproof.

Furniture ensembles and enclosures reduce the speech level of the occupant speaking inside the product. Does not refer to individual components used in workstations, such as a screen, storage unit, table, lighting fixture, cabinet, bookshelf, standard chair, wall covering, or ceiling panel. The product must not be permanently part of the construction work.

If the product is equipped with permanently mounted fittings, these must in themselves meet the requirements of Möbelfakta. Examples of relevant legislation are the RoHS Directive, the WEEE Directive and the Ecodesign Directive if external power supply is used. In cases where the product falls under one or more applicable directives or regulations that require CE marking, such as e.g. The Machinery Directive (MD) or the Low Voltage Directive (LVD) must be presented with the CE declaration. For stability requirements, the following shall be tested and certified:

The product shall not tip over when placed on an inclined plane of 10 degrees, the test shall be carried out in the most unfavorable configuration for the product.

#### Spoken sound reduction requirements for furniture ensembles and enclosures

Speech sound reduction, DS,A [dB], when reported shall be presented in the form of a graph in accordance with ISO 23351-1:2020. This is a requirement for the category furniture ensembles and enclosures. Complete documentation of measurements and calculations carried out in accordance with the above standard shall be available when speech noise reduction is reported. The classification (A+, A, B, C or D) where A+ is the highest rating shall be given in the measurement protocol. Unclassified products cannot be labelled with Möbelfakta in this category.

EN 16121 5.2	General safety requirements (chapter 5.2) from EN 16121: <del>2013</del> <del>2013+A1:2017</del> Non-domestic storage furniture. Requirements for safety, strength, durability and stability
ISO 23351-1:2020	Acoustics – Measurements of speech level reduction of furniture ensembles and enclosures. Part 1: Laboratory method

## 1.1.4 Educational environments

School environment refers to the educational environment such as classrooms including preschool

For other types of furniture – not in classrooms – following applies:

Workplaces: 1.1.3 Office environment

Others: 1.1.2 Non-domestic

### 1.1.4.1 Seating furniture

The following standards set the requirements for chairs/seating furniture intended for use in school environments.

- Student chairs in classrooms

EN 1729-2:2023\*

Furniture - Chairs and tables for educational institutions - Part 2: Safety requirements and test methods.

\*Test loading points in EN 1729-1:2015

\*Tests carried out according to SS-EN 1729-2:2012+ A1:2016 accepted until 2026-01-01

### 1.1.4.2 Seating for children

The following standard sets the requirements for seating for children in domestic use. The requirement is based on that the furniture is used by children that is able to sit and walk by themselves up to 14 years.

The requirements is divided into 3 seating sizes based on age and body height

Seating size 1: 1-3 years

Seating size 2: 4-7 years

Seating size 3: 8-14 years

It applies to the seating function only. If the seating has additional functions or can be converted into other products, other relevant European Standards may apply.

The standard is developed under a mandate from the EU-Commission, M/527 (Children seats).

Standarden är utarbetad under mandat från EU kommissionen M/527 (Childrens seats) and it is inteded to be published in the OJEC.

EN 17191:2021

Seating for children – Safety requirements and test methods

### 1.1.4.3 Tables

Here are the requirements that a student table in a classroom must meet. For other tables in classrooms, see public environment and offices.

Glass as a material is covered according to section 1.7.

EN 1729-2:2023\*

Furniture - Chairs and tables for educational institutions - Part 2: Safety requirements and test methods.

\*Tests carried out according to SS-EN 1729-2:2012+ A1:2016 accepted until 2026-01-01

#### 1.1.4.4 Storage

The following standard sets the requirements for storage furniture intended for use in education/school environments. The requirements apply to all types of storage furniture:

- Cupboard/cabinet/corner cupboard
- Chest of drawers/draw unit
- Bookshelf
- Bureau

Fittings:

- Base cabinet
- Wall cabinet
- High cabinet
- Worktops
- Coat hangers
- Magazine racks

The furniture may be either freestanding or attached to the wall/building.

SS-EN

16121:2024~~2013~~\*\*+  
~~A1:2018~~ Level 1

Non-domestic furniture – Storage furniture – Strength, durability and safety requirements.

*\* Tests performed according to EN 16121:2013 + A1:2018 Level 1 are accepted until 2027-12-31.*

For other **freestanding storage furniture** such as magazine racks, coat hangers, etc. additional requirements as specified below apply:

EN 1023-2:2000\*

**Office furniture - Screens - Part 2: Mechanical safety requirements**

*\*refers only to stability only stability according to EN 1023-3:2000, 6.1*

#### 1.1.4.5 Children's high chairs

The following standards establish the requirements on children's high chairs in school environments. The requirements for high chairs include two different categories; active and passive high chairs. Active chairs are chairs where the child is strapped into the chair and passive chairs are where the child is not strapped in. The category of chair must be specified.

The requirements for high chairs are based upon the chair being used by children aged 6-36 months.

EN 14988: 2017  
+A1:2020

Children's high chairs - Part 1: Safety requirements

\* Tests performed according to EN 14988:2017 are accepted until 2025-12-31.

#### 1.1.4.6 Partitions

The following standards establish the requirements that a partition for educational institutions should meet. The requirements cover stand-alone partitions. Declaring the equivalent sound-absorbing area and screen damping according to section 1.6 Acoustics is optional.

EN 1023-2:2000

Office furniture - Screens – Part 2: Mechanical safety requirements

#### 1.1.4.7 Sound absorbents

The following requirements apply for measuring and calculating a sound absorbent's acoustic performance. Products that are declared in **Acoustic Facts** fulfil the requirements listed in the specification. Acoustic performance data reported according to this specification can be used for calculating and dimensioning a room's acoustic performance.

In "Guide för ljudabsorbenter" ("Guide for sound absorbents") at [www.mobelfakta.se](http://www.mobelfakta.se) there are recommended minimum values for sound absorption capacity. Procuring organisations such as Kammarkollegiet (The Legal, Financial and Administrative Services Agency) use these recommended levels in their procurements.

##### Sound absorbing area

The below-specified standards for measuring and calculating acoustic performance the sound absorbing area of the sound absorbent shall be reported in the form of a diagram. Complete documentation on performed measurements and calculations in accordance with the standards above shall be kept available.

The requirements cover individual sound absorbents and larger composite surfaces (> 10m<sup>2</sup>) with several sound absorbents.

EN ISO 354:2003

Measurement of sound absorption in a reverberation room.

Individual items are evaluated in accordance with the Swedish standard:

ISO 20189:2019

Acoustics -- Screens, furniture and single objects intended for interior use -- Rating of sound absorption and sound reduction of elements based on laboratory measurements

Larger surfaces (>10m<sup>2</sup>) made up of multiple objects should be evaluated in accordance with the Swedish and international standard:

SS-EN ISO  
11654:1997

Acoustics - Sound absorbents for use in buildings - Rating of sound absorption

### 1.1.4.8 Writing boards

The following standard establishes the requirements for writing boards and is applicable for safety in normal use, the surface properties, durability of construction and ergonomics.

The requirements cover wall-mounted and stand-alone writing boards of the type writing boards and chalk boards, for educational institutions, offices, conference and board rooms.

EN 14434:2023 <del>2010</del>	<p>Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods</p> <p>When testing whiteboards in accordance with EN 14434:2023<del>2010</del> the writing boards should meet the standard requirements and minimum level 2 should achieved in terms of</p> <ul style="list-style-type: none"> <li>- 7.2.3 Ability to write and erase</li> <li>- 7.3.2 Scratching</li> <li>- 7.4.2 Staining</li> <li>- 7.5.2 Colour degradation</li> </ul> <p>When testing chalk boards in accordance with EN 14434:2023<del>2010</del> the writing boards should meet the standard requirements and minimum level 2 should achieved in terms of</p> <ul style="list-style-type: none"> <li>- 8.3.3 Ability to write</li> <li>- 8.4.2 Scratching</li> <li>- 8.5.2 Staining</li> </ul>
-------------------------------	---

## 2 ENVIRONMENT

### 2.1 Mandatory material requirements

**Exemptions from “Mandatory material requirements”:** Small, simple components such as Velcro, zipper, fabric straps, furniture pads and the like are not covered by the mandatory material requirements.

The manufacturer of the furniture must be able to provide collective documentation that proves the criteria in Möbelfakta’s material requirements below are met. There are templates for subcontractor certificates available for download at [www.mobelfakta.se](http://www.mobelfakta.se) which can be used as verification of fulfilment of the requirements.

#### 2.1.1 SVHC/ECHA’s candidate list

No chemical substances listed on ECHA's candidate list of SVHC substances may occur in concentrations above 0.1% by weight, see <https://echa.europa.eu/candidate-list-table>

0.1% by weight refers to chemical products or articles that are included or used in the manufacture of the furniture/product (i.e. each individual part of an item), not 0.1% of an assembled piece of furniture, see guidance document here:

[https://echa.europa.eu/documents/10162/2324906/articles\\_en.pdf](https://echa.europa.eu/documents/10162/2324906/articles_en.pdf)

#### 2.1.2 Wood and wood-based material

##### 2.1.2.1 Origin of wood-based material

Routines must be in place to ensure that wood and wood based material are traceable and come from legal and acceptable sources. Acceptable source means:

1. Has legal ownership and access rights.
2. Follows nationally and locally applicable laws and regulations regarding use, environment, labour and welfare, health and safety, and other parties' rights.
3. Pays the relevant taxes and charges related to use.
4. Follows CITES regulations (only applicable to certain tree species, see the CITES website).

FSC, PEFC, Svanen, or equivalent certifications can be used to certify that the wood raw material meets the requirements, along with current documentation/description of a systematic approach applied to verify the origin of the wood raw material for the specific product.

##### 2.1.2.2 Formaldehyde in wood-based flat panels

MDF and HDF containing formaldehyde based components / additives must not emit more formaldehyde than 65% of E1 according to EN 13986 or similar method\*\*\*.

Other wood-based flat panels\* (particle boards, fibre boards, OSB, plywood and edge glued panels\*\* containing formaldehyde based components / additives must not emit more formaldehyde than 50% of E1 according to EN 13986 or similar method\*\*\*.

\*The requirement does not apply to molded parts.

\*\*For certain types of boards (e.g. edge glued panels) reference may be made to the SDS for the adhesives used in the manufacture of the board.

\*\*\*E.g. chamber method (EN-717-1), gas analysis method (EN-717-2) or perforator method (EN-120).

## 2.1.3 Textile and leather

### 2.1.3.1 Certifications

If a valid certificate is available that proves all textile complies with Möbelfakta READY, then the textile requirements are considered to be fulfilled.

If a valid certificate is available that proves all textile complies with EU Ecolabel 2009/567/EC or 2014/350/EU, then the textile requirements are considered to be fulfilled.

If a valid certificate is available that proves all textile/leather complies with Oeko-Tex standard 100 (I, II) then the textile/leather requirements are considered to be fulfilled with the exception of 2.1.3.8, which must be verified separately. If biocides have been used, it is indicated on the certificate from Oeko-Tex.

If there is a valid certificate available from "Svanen" (Nordic Ecolabelling of textiles, hides/skins and leather ver. 4 or later) for included leather and/or textiles then the requirements for the textile/leather referred to in the certificate are considered to be fulfilled.

If there is a valid certificate available from GOTS version 5/2017 or later for included textiles and/or leather is available, the requirements are considered to be met for the included textiles/leather to which the certificate applies.

~~If there is a valid certificate available from Bra Miljöval's criteria for textiles (category fiber and preparation) version 2012 or later for included textiles and/or leather is available, the requirements are considered to be met for the included textiles/leather to which the certificate applies.~~

### 2.1.3.2 Flame retardants in textile/leather

Valid product data sheet, EPD, product information, certificate from supplier or other documentation for all included textile/leather verifying that none of the flame retardants below have been actively added or that the levels do not exceed 0.1% by weight, must be available.

Polybrominated biphenyls (PBBs)	CAS: 59536-65-1
Oktabromdiphenylether (oktaBDE)	CAS: 32536-52-0
Tris (2,3-dibrompropyl) phosphate (TBPP)	CAS: 126-72-7
Tris (1-aziridinyl) phosphine oxide (TEPA)	CAS: 545-55-1
Tris (2 chlorethyl) phosphate (TCEP)	CAS: 115-96-8
Tris(1,3-dichloroisopropyl)phosphate (TDCPP)	CAS-nr: 13674-87-8

### 2.1.3.3 Softeners/phthalates in textile/leather

The requirement has been removed from 2.1.3 Textile / leather and is moved to 2.1.4 Plastic and rubber

### 2.1.3.4 Formaldehyde in textile/leather

Valid product data sheet, EPD, product information, certificate from supplier for all included textile/leather or other documentation that proves the emission of formaldehyde is less than 75 ppm (mg/kg), must be available. For products specially designed for infants and children under 3 years of age, the content should not exceed 20 ppm (mg / kg).

### 2.1.3.5 Water-, dirt- and grease-repellent impregnations textile/leather/artificial leather

The requirement has expired.

### 2.1.3.6 Colouring agents and pigments in textile/leather

Valid product data sheet, EPD, product information, certificate from supplier or other documentation for included textile/leather, proving that none of the below listed colouring agents have been actively added or that the levels do not exceed 50 mg/kg for each colouring agent must be available.

#### Dispersion agents

C.I. Disperse Blue 3	CAS-nr: 2475-46-9
C.I. Disperse Blue 7	CAS-nr: 3179-90-6
C.I. Disperse Blue 26	CAS-nr: 3860-63-7
C.I. Disperse Blue 35	CAS-nr: 12222-75-2
C.I. Disperse Blue 102	CAS-nr: 12222-97-8
C.I. Disperse Blue 106	CAS-nr: 12223-01-7
C.I. Disperse Blue 124	CAS-nr: 61951-51-7
C.I. Disperse Brown 1	CAS-nr: 23355-64-8
C.I. Disperse Orange 1	CAS-nr: 2581-69-3
C.I. Disperse Orange 37/76	CAS-nr: 13301-61-6
C.I. Disperse Red 1	CAS-nr: 2872-52-8
C.I. Disperse Red 11	CAS-nr: 2872-48-2
C.I. Disperse Red 17	CAS-nr: 3179-89-3
C.I. Disperse Yellow 1	CAS-nr: 119-15-3
C.I. Disperse Yellow 9	CAS-nr: 6373-73-5
C.I. Disperse Yellow 39	CAS-nr: 12236-29-2
C.I. Disperse Yellow 49	CAS-nr: 54824-37-2
C.I. Disperse Blue 1	CAS-nr: 2475-45-8
C.I. Disperse Orange 11	CAS-nr: 82-28-0
C.I. Disperse Orange 149	CAS-nr: 85136-74-9
C.I. Disperse Orange 3	CAS-nr: 730-40-5
C.I. Disperse Yellow 3	CAS-nr: 2832-40-8
C.I. Disperse Yellow 23	CAS-nr: 6250-23-3
Navy Blue	CAS-nr: 118685-33-9

#### Colouring agents

Sodium bis[2-(3-chlorophenyl)-2,4-dihydro-4-[[2-hydroxy-5-mesylphenyl]azo]-5-methyl-3H-pyrazol-3-onato(2-)]chromate(1-)	CAS-nr: 51147-75-2
Disodium,chromium(3+),3-[[3-methyl-5-oxido-1-phenylpyrazol-4-yl]diazonyl]-4-oxidobenzenesulfonate,1-[[2-oxido-5-phenyldiazonylphenyl]diazonyl]naphthalen-2-olate	CAS-nr: 52587-68-5
[3-hydroxy-4-[[2-hydroxy-1-naphthyl]azo]-7-nitronaphthalene-1-sulphonato(3-)]chromium	CAS-nr: 70236-49-6
Sodium bis[methyl [7-hydroxy-8-[[2-hydroxy-5-mesylphenyl]azo]-1-naphthyl]carbamato(2-)]chromate(1-)	CAS-nr: 71839-85-5
Cuprate(2-), [μ-[[3,3'-[methylenebis[(4,6-dihydroxy-3,1-phenylene)azo]]bis[4-hydroxy-5-nitrobenzenesulfonato]](6-))]di-, sodium	CAS-nr: 85186-15-8



Disodium hydrogen bis[3-hydroxy-4-[(2-hydroxyphenyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)	CAS-nr: 102506-12-7
C.I Acid Yellow 220	CAS-nr: 70851-34-2
C.I. Acid Red 26	CAS-nr: 3761-53-3
<b>Basic (cationic) colouring agents</b>	
C.I. Basic Red 9	CAS-nr: 569-61-9
C.I. Basic Blue 26	CAS-nr: 2580-56-5
C.I. Basic Violet 3	CAS-nr: 548-62-9
C.I. Basic Green 4 (oxalate)	CAS-nr: 2437-29-8
C.I. Basic Green 4 (chloride)	CAS-nr: 569-64-2
<b>Mordant (mordanting)</b>	
Sodium dichromate	CAS-nr: 10588-01-9
<b>Reactive</b>	
Hydrogen tetrasodium bis[5-[(4-amino-6-chloro-1,3,5-triazin-2-yl)amino]-4-hydroxy-3-[(2-hydroxy-5-nitrophenyl)azo]naphthalene-2,7-disulphonato(4-)]cobaltate(5-)	CAS-nr: 70776-55-5
Trisodium bis[3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxy-5-nitrobenzenesulphonato(3-)]cobaltate(3-)	CAS-nr: 84204-70-6
Cobaltate(3-), bis[6-amino-5-[(2-hydroxy-3,5-dinitrophenyl)azo]-1-naphthalenesulfonato(3-)]-, sodium	CAS-nr: 85049-76-9
C.I. Reactive Blue 220	CAS-nr: 90341-71-2
Cuprate(4-), [2-[[[2-hydroxy-3-sulfo-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenylmethyl]azo]-5-sulfobenzoato(6-)]-, sodium	CAS-nr: 90341-72-3
<b>Direct</b>	
C.I. Direct Black 38	CAS-nr: 1937-37-7
C.I. Direct Red 28	CAS-nr: 573-58-0
C.I. Direct Blue 6	CAS-nr: 2602-46-2
C.I. Direct Blue 15	CAS-nr: 2429-74-5
<b>Pigment</b>	
Cadmium sulphide	CAS-nr: 1306-23-6
Lead orange	CAS-nr: 1314-41-6
Sodium chromate	CAS-nr: 7775-11-3
Potassium dichromate	CAS-nr: 7778-50-9
Lead (II) acetate basic	CAS-nr: 51404-69-4
Chromium, [3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalenesulfona	CAS-nr: 70236-49-6
Sodium [3-hydroxy-4-[(1-hydroxy-8-sulpho-2-naphthyl)azo]naphthalene-1-sulphonato(4-)]chromate(1-)	CAS-nr: 70942-15-3
C.I. Pigment Red 104	CAS-nr: 12656-85-8
C.I. Pigment Yellow 34	CAS-nr: 1344-37-2

### 2.1.3.7 Tanning of leather

Documentation verifying that included leather is not tanned or treated in any way with chromium VI, arsenic, cadmium or lead as stated below must be available..

Chromium VI	CAS: 18540-29-9	<i>Average conc. max 3 ppm (test report with analysis according to: CEN/TS 14495 or equivalent)</i>
Arsenic	CAS: 7440-38-2	<i>No residuals (detection limit 1.0 ppm, test report with analysis according to: CEN TC 309 WI 065 - 4.3 or equivalent)</i>

Cadmium	CAS: 7440-43-9	No residuals (detection limit 10 ppm, test report with analysis according to: CEN TC 309 WI 065 - 4.3 or equivalent)
Lead	CAS: 7439-92-1	No residuals (detection limit 10 ppm, test report with analysis according to: CEN TC 309 WI 065 - 4.3 or equivalent)

### 2.1.3.8 Biocidal treatment

Textiles must not be treated with biocides.

Definition according to Article 3 of Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Biocidal functions include, for example, odorless, antibacterial, and antimicrobial.

Valid product data sheet, EPD, product information, certificate from supplier or other documentation for included textiles are not biocidal\*. For example, technical documentation shows that the textile is not labeled or covered by requirements for information on biocidal treatment in accordance with Regulation (EU) 528/2012 on the supply on the market and use of biocidal products or a certificate from a subcontractor that no biocide has been added.

Note! Certificates from Oeko-Tex must be verified. If biocides have been used, it is indicated on the certificate.

~~\*Definition according to Article 3 of Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products. Biocidal function includes, for example, odorless, antibacterial and antimicrobial.~~

## 2.1.4 Plastic and rubber

This section includes plastic parts, rubber parts, padding materials that contain plastic (eg cellular plastic or polyurethane foam), woven plastic, artificial leather and plastic coating on textiles and leather.  
 Woven plastic/artificial leather marked with Oeko-Tex 100 (product class I, II) meets all the requirements except for 2.1.4.3 which must be verified separately.

### 2.1.4.1 Flame retardants in plastic/rubber

Valid product data sheet, EPD, product information, certificate from supplier or other documentation for all included padding material verifying that none of the flame retardants below have been actively added or that the levels do not exceed 0.1% by weight, must be available. Electronics (e.g. electric motors and electrical cables) are exempted. Small plastic parts <100 g (eg screws, pins and fasteners) are excluded from this requirement.

Polybrominated biphenyls (PBBs)	CAS: 59536-65-1
Oktabromdiphenylether (oktaBDE)	CAS: 32536-52-0
Tris (2,3-dibrompropyl) phosphate (TBPP)	CAS: 126-72-7
Tris (1-aziridinyl) phosphine oxide (TEPA)	CAS: 5455-55-1
Tris (2 chlorethyl) phosphate (TCEP)	CAS: 115-96-8
Tris(1,3-dichloroisopropyl)phosphate (TDCPP)	CAS-nr: 13674-87-8

### 2.1.4.2 Softeners/phthalates in plastic/rubber

Valid product data sheet, EPD, product information, certificate from supplier for included plastic/rubber or other documentation proving that no phthalates/softeners classified as **hazard classification H340, H350, H360** have actively been added and that the measured level does not exceed 0.1% by weight/substance and component, must be available. Small plastic parts (eg screws, pins and fasteners) are excluded from this requirement.

For school environment, documentation for the included plastic/rubber must be available which proves that phthalates/softeners below have not been actively added or that the measured value amounts to a maximum of 0.1% by weight per substance and detail. Small plastic parts <100 g (eg screws, pins and fasteners) are not covered by the requirement.

- DNOP (CAS-nr: 117-84-0)
- DIDP (CAS-nr: 68515-49-1)
- DINP (CAS-nr: 68515-48-0)

### 2.1.4.3 PVC

Valid product data sheet, EPD, product information, certificate from supplier or other documentation proving that the included plastic parts including coated fabrics/artificial leather, do not contain PVC must be available. Electrical components (e.g. power cables) and hospital/urine textile or coated fabric/artificial leather on furniture in healthcare environment where regular disinfection with alcohol is required are excluded from this requirement. Small plastic parts <100 g (eg screws, pins and fasteners) are excluded from this requirement.

### 2.1.4.4 Pigments in plastics/rubber

Valid product data sheet, EPD, product information, certificate from supplier or other documentation must be available for included plastic/rubber verifying that no pigments or additives based on lead, cadmium, tin, chromium VI or mercury have been actively added or that the levels do not exceed 0.01% by weight per component. Small plastic parts <100 g (eg screws, pins and fasteners) are excluded from this requirement.

#### 2.1.4.5 Short-Chain Chlorinated Paraffin (SCCPs) in plastic/rubber

Valid product data sheet, EPD, product information, certificate from supplier for included plastic/rubber or other documentation proving that no short-chain chlorinated paraffins (SCCPs) have been actively added or are included, must be available. Content must not exceed 0.01% by weight as measured value per component. Small plastic parts <100 g (eg screws, pins and fasteners) are excluded from this requirement.

### 2.1.5 Padding material

#### 2.1.5.1 Flame retardants in padding material

The requirement has been removed from 2.1.5 Padding material and moved to 2.1.4 Plastic and rubber

#### 2.1.5.2 Softeners/phthalates in upholstery material

The requirement has been removed from 2.1.5 Padding material and moved to 2.1.4 Plastic and rubber

## 2.1.6 Surface treatment of wood, plastic and metal

**Exemptions from the requirements for surface treatment:** Small details like staples, screws, nails, hinges or fittings which in total represent <5% by weight of the total weight.

**Recommendation for care environment:** certain environments in health care, can in some exceptional cases have requirements for regular disinfection with alcohol. Purchasers can when required indicate that they accept the exception from Möbelfakta's environmental requirements for surface treatment of furniture intended for healthcare environment because repeated shelling can mean stress on the surface. It is suggested that procurers clarify what they want by the following wording: "The surface must cope daily wiping with disinfectant - preferably cleaning with 50% isopropanol or 70% alcohol." The purchaser can specify that the exception is accepted, for example, for solvent-based polyurethane lacquers and classifications H400, H410, H411, H412 and H413 are allowed. You can also make exceptions for H334. **NOTE that this is NOT a general exemption at Möbelfakta for the healthcare environment, but only a recommendation to the individual purchaser/client for the healthcare environment that want to disinfect the furniture regularly with alcohol.**

### 2.1.6.1 Surface treatment – risk hazard classifications

The furniture/product must not be treated with surface treatments or finishing products that are labelled with the following risk hazard classifications. A safety data sheet (SDS according to REACH CLP-regulation no 1272/2008) must be available for all used surface treatment products.

For surface treatment with chromium III in combination with nickel and/or zinc see section 2.1.6.4 Surface treatment – chrome-plating. .

Hazard category	Hazard statement according to regulation 790/2009
Acute toxicity	H300, H301, H310, H311, H330, H331
Toxic to body organs	H370, H371, H372
Carcinogenic	H350, H351
Mutagenic	H340, H341
Toxic for reproduction	H360, H361, H362
Allergenic	H334
Dangerous to the environment	H400, H410, H411, H412, H413
	<p><i>If the use of surface treatment products is required for technical reasons, products labelled as dangerous to the environment (H400, H410, H411, H412, H413) may be acceptable if the content of environmentally hazardous substance &lt;14 g/per m2 of surface.</i></p> <p><i>Exemption apply to UV curing surface treatment products classified as environmentally hazardous if requirement below is met.</i></p> <p><i>UV curing surface treatment products must be applied to the material during a controlled closed process where no discharge to recipient takes place. Spills and residual waste (e.g. residues from cleaning) must be collected in containers that are approved for hazardous waste and handled by a waste contractor.</i></p>
Hazardous to the ozone layer	H420

### 2.1.6.2 Surface treatment – aromatic solvents

The contents of aromatic\* solvents/ hydrocarbons in used surface treatments/finishing products must not exceed 1.0% by weight. A safety data sheet (SDS according to REACH CLP-regulation no 1272/2008) must be available for all used surface treatment products.

\* Examples of aromatic solvents: toluene, xylene and similar.

### 2.1.6.3 Surface treatment – VOC (volatile organic compounds)

Surface treatments or finishing products containing VOC (vapour pressure > 0.01kPa\*) are accepted provided that the applied amounts of the actual VOC components do not exceed:

- 35 g/m<sup>2</sup> for domestic furniture.
- 60 g/m<sup>2</sup> for office, public and outdoor furniture.

Documentation from the supplier of the surface treatment product specifying the concentration of VOC must be available. The furniture producer must be able to show how the amount of added VOC has been calculated.

Exceptions from above requirements for VOC may be made if the amount of applied VOC is less than 5% by weight based on the total amount of applied coating product OR if the amount of applied VOC is less than above limits.

\* According to regulation 2010/75/EU (Industrial Emissions Directive).

### 2.1.6.4 Surface treatment **with chromium or nickel** ~~–chrome plating~~

Valid product data sheet, EPD, product information, certificate from supplier or other documentation verifying that the included components do not have an active additive or that its metal surfaces do not contain passivized chromium III or VI must be available.

In exceptional cases, the surface treatment of metals with nickel and/or zinc in combination with chromium III is accepted for components (e.g. undercarriages, legs etc.) on stackable furniture, folding furniture or furniture that can be subjected to heavy wear, especially in public environments.

The exception mainly refers to the public environment and components that are not in regular contact with skin.



### 3 INFORMATION

#### 3.1 Version history

A detailed description of current changes for each version can be downloaded in an *Amendment Specification* at [www.mobelfakta.se](http://www.mobelfakta.se).

Datum	Ändring	Version
2024-07-01	Part 1: Updates of standards EN 16121, EN 15372, EN 1725, EN 747-1, and EN 14434. Part 2: Editorial changes in sections 2.1.2, 2.1.3, 2.1.3.8, and 2.1.6.4.	2024-07-01 16.2
2024-01-01	Part 1, 2: Editorial changes	2024-01-01 16.1
2023-11-01	Part 1: New product type "Furniture ensembles and enclosures", updated standards and editorial changes	2024-01-01 16
2023-04-01	Part 2: New criteria warranty and editorial changes Part 1/Part 3: Editorial changes, and updated standard references	2023-04-01 15.0
2022-07-01	Part 2 Environment: Extended transition period requirements 2.1.2.2	2021-11-01 14.2
2022-04-08	Del 1 Quality: Editorial changes	2021-11-01 14.1
2021-11-01	Del 2 Environment: Updated requirements	2021-11-01
2021-07-01	Del 1 Quality: Editorial changes	2021-07-01
2021-04-01	Del 3 Responsible supply chains – social, environmental, and ethical responsibility: Updated requirements	2021-04-01

For requirements specifications from 2020 or earlier, please refer to Möbelfakta's website.