

INFORMATION SHEET

EGGER CLIC TECHNOLOGY

Egger Clic is a patented, interlocking system, where Clic technology is applied to achieve rectangular or vertical connections of all types of furniture boards. Thanks to the positive locking load transmission there is no need for additional furniture fittings or adhesives, which allows the furniture to be disassembled with minimal effort at a later stage.

The Clic principle

... can be applied to all 90° or horizontal board connections and so covers the majority of all furniture connections. Clic profiles utilize the effects of positive locking and friction to transmit the required forces to the piece of furniture. The assembly of furniture with Clic technology involves just a few simple steps.



As furniture components with Clic connection technology always open in one direction, the back panel constitutes an indispensable functional component.

Furniture components with Clic Technology

EGGER offers Clic in the entire range of furniture components. It is possible to design new or already existing furniture ideas with Clic technology and to purchase these from EGGER in the form of pre-fabricated furniture components. All components are available in the familiar decor and structure ranges of the EGGER collection and can be combined with the chipboard substrate EUROSPAN® as well as EUROLIGHT® honeycomb board. In addition to providing Clic connections, piece parts can be processed into fully finished high quality furniture components.

The following component characteristics are possible:

Substrate	Thickness range
EUROSPAN®	16 mm – 38 mm
EUROLIGHT® with frame	16 mm – 60 mm

Substrate	Dimension	Minimum	Maximum
EUROSPAN®	length	266	2.300
EUROSPAN®	width	236	1.300
EUROLIGHT® with frame	length	266	2.300
EUROLIGHT® with frame	width	236	1.300

Description	Tolerance
Profile tolerance	± 0,1 mm
Angular tolerance	± 0,2 mm/m
Groove	± 0,2 mm

Edge Lipping

ABS edging is available in a thickness range of 0.8mm – 2.0mm. Glue type: PUR

Edge Recess

On an industrial scale, continuous Clic tongue and groove profiles are machined on continuous production lines. To hide the machined groove from the face side, the side panel recess has been exactly defined.

Edging thickness	Recess
0.8 mm	0.5 mm
2.0 mm	1.0 mm

The minimum order quantity is 50 pieces per dimension and decor.

Constructions with < 8mm back panel or without back panel are possible in some cases, depending on the construction. However, as there is no general approval, a technical feasibility check must always be carried out in advance.

In general, Clic joints in combination with MDF as substrate material are not offered. These parts do not meet EGGER's quality requirements regarding the fatigue strength of the connection.

Advantages of Clic Technology

As a result of the integration of Clic Technology into furniture construction, several new possibilities and improvements have arisen. These can be summarized as follows:

- Construction without fittings: Furniture constructed using Clic Technology can be assembled and disassembled by just using your hands.
- Clic-Furniture is easily assembled and disassembled. Thanks to the Clic function, individual component parts immediately achieve sufficient stability to allow construction by just one person. This not only saves time during assembly but also creates efficient logistics in delivery.
- High stability and rigidity due to the interlocking tongue and groove connection. As the connection extends over the entire component depth, the load is distributed over the maximum area possible. The connection therefore shows high strength even in the unglued state, which is further increased in the glued state.
- Clic achieves the perfect design thanks to the invisible connection technology. An appropriately designed construction will dispense with fittings, visible drill holes and cover caps.
- The application of Clic allows savings on resources by eliminating the need for metal and plastic fittings and thereby helps to further improve the already very good ecological balance of furniture constructed of wood-based panel products.

Product Offering

Clic panels can be purchased directly from EGGER in the form of pre-fabricated furniture components. It is also possible for our customers to acquire a license which allows the in-house production of Clic Furniture.

Patents

The EGGER Clic-Technology is covered by several patents and is sold and distributed by EGGER and Unilin as part of a licence cooperation.

The Clic-Technology is protected by the following patents:

EGGER Patents:

DE20 2004019882U1 included but not limited by EP 1671562A1
 DE 20 2005003713U
 DE20 2005000679U included but not limited by EP 1836361 A1

Unilin Patents:

BE2008/0677; BE2010/0341; BE2011/0189; BE2011/0106
 PCT/IB2009/054812; PCT/IB2009/055816; PCT/IB2011/052240
 PCT/IB2011/051276; PCT/IB2012/051496;
 US61/175,596; US61/468,902; US61/542,562
 DE202009008825ul

The patents cover the Clic connection for furniture piece parts made of wood-based materials. Furthermore, covered are certain details concerning the profile shapes and several construction solutions which allow the end user to assemble such furniture easily, fast and correctly. In addition, there are applications pending relating to tool-free additions to the furniture, such as additional shelves, doors and/or drawers.

Licences

The licence is granted by Unilin and EGGER. In both cases licence fees have to be paid. Purchases of furniture components with Clic Technology are not subject to an additional licence fee which will be incorporated in the purchase price and is paid by EGGER.

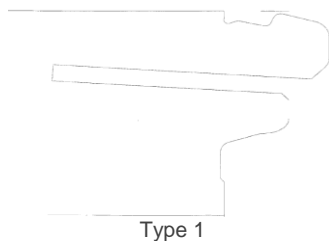
The calculation of the licence fee is based on the sales quantity (m²) of parts with Clic connections. The level of the licence fee charged is in accordance with the sliding scale shown below and has to be paid quarterly to the licensor. Details in terms of reporting and surveillance are stipulated in the licence contract. The licensee usually reports to the licensor. The licensor has the right to engage an independent party to verify the submitted data. (This is common practice for standard licensing agreements).
 The licence revenues are employed to further develop furniture connections with Clic-Technology.

For the first	0	-	100 Thousand m ²	=>	0,50 €/m ²
For the next	100	-	300 Thousand m ²	=>	0,45 €/m ²
For the next	300	-	600 Thousand m ²	=>	0,40 €/m ²
For the next	600	-	1000 Thousand m ²	=>	0,35 €/m ²
For the next	1000	-	>1000 Thousand m ²	=>	0,30 €/m ²

Profile Types

In the manufacture of furniture components, 3 different profile types are available at cooperating tool manufacturers. Profile Types 1-2 only differ in the required size and are therefore suitable for a variety of board thicknesses.

- Type 1 for Clic connections of panels with a thickness of less than or equal to 22 mm
- Type 2 for clic connections of plate with a thickness greater than 22 mm
- Type 3 a special profile for Clic production using CNC machines



Tools cannot be purchased until a licence agreement has been signed, not even for test purposes.

The manufacture of high quality Clic connections requires strict adherence to a profile tolerance of 0.1 mm. The alignment of tools can change after each setting-up and/or sharpening process, as well as during production. It is therefore imperative to employ an appropriate profile surveillance system to constantly check and ensure the correct tool position (e.g. by means of a profile projector).

Marketing

To support the Clic furniture marketing efforts of our customers in the best possible way, a variety of photos and videos by EGGER are at their disposal. All we ask is that the photos and videos clearly state that they are copyrighted material and that they are clearly marked ©EGGER.

If you are interested in the above-mentioned materials, please contact your EGGER contact person in the first instance.

EGGER contacts

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