

Technical data sheet

Resistance of EGGER Compact Laminate to disinfectants



EGGER Compact Laminates are compact laminate according to EN 438. They have a multilayer structure and consist of melamine resin impregnated decorative paper and multiple layers of soda kraft paper impregnated with phenolic resins, which are laminated under high pressure and heat.

Normative characteristics of the surface

The EN 438-2:2016 stipulates special requirements relative to the surface resistance of decorative compact laminates. Resistance to staining tests provide a reliable indicator of the resistance of surfaces to a variety of substances. The test verifies how substances that EGGER Compact Laminate might be exposed to during daily use affect the surface. For purpose of the test, the substances are brought into direct contact with the surface. The period of exposure and contact conditions with the test specimen for each substance are described in EN 438-2. At the end of the respective contact period, the test specimen are washed and checked for lasting surface changes.

The requirement for compact laminates is level ≥ 3 . With regards to this, the relevant substance should only cause a moderate change of gloss level and/or colour of the sample over the specified time period.

Disinfectants

For the purpose of using disinfectants on EGGER Compact Laminate, surface disinfectants are most commonly used. A variety of disinfectants are already available in the market for this purpose. These differ, in terms of their ingredients and in the way they work. The types of substance used as a surface disinfectant are primarily substances that act according to one of the active principles listed below and the basis of one of the chemicals listed here:

- Oxidising agents
- Halogens (chlorine, iodine)
- Alcohols
- Aldehydes
- Phenols
- Ethylene oxide

In addition to the components mentioned above, the instructions for the use of the individual disinfectants also differ significantly from each other.

Disinfectants and EGGER Compact Laminates

The variety of available disinfectants with various compositions, manner of working and recommendations for use makes it impossible for us to issue a general release on the use of these products on the EGGER Compact Laminate. For these reasons, we recommend testing the disinfectant on the EGGER Compact Laminate surface. This approach is the only way of guaranteeing that the material will be durable for the required application.

The following disinfectants have been tested in our laboratory in line with the requirements of the EN 438-2:2016 testing procedure 26 - Resistance to stains at ambient temperature with an exposure time of 24 hours. Only the surface of the EGGER Compact Laminate was tested and verified in this case. The results therefore apply to EGGER Compact Laminates with black, coloured or fire-retardant core.

Manufacturer	Product	Concentration applied	Unit	Result*
Antiseptica	Biguacid Liquid Big Spray	-	Rating	5
Antiseptica	Descocid-N	2%	Rating	5
Antiseptica	Descogen-F	1.5%	Rating	5
Antiseptica	Combi-surfaces disinfection	4%	Rating	5
B. BRAUN	Hexaquart plus	2%	Rating	5
B. BRAUN	Hexaquart S	3%	Rating	5
B. BRAUN	Hexaquart forte	-	Rating	5
B. BRAUN	Meliseptol	-	Rating	5
B. BRAUN	Meliseptol Foam pure	-	Rating	5
B. BRAUN	Meliseptol rapid	-	Rating	5
B. BRAUN	Promanum pure	-	Rating	5
B. BRAUN	Softa-Man (Softalind) Visco Rub	-	Rating	5
B. BRAUN	Softa-Man (Softalind) pure	-	Rating	5
B. BRAUN	Softasept N	-	Rating	5
Dreiturm	Hexawol	7.5%	Rating	5
Dreiturm	Hexawol fix	-	Rating	5
Dr. Nüsken	Nüscosept Foam	-	Rating	5
Dr. Nüsken	Nüscosept Forte	2%	Rating	5
Dr. Nüsken	Nüscosept Rapid	-	Rating	5
Dr. Schumacher	Descosept PUR	-	Rating	5
Dr. Schumacher	Ultrasol active	1%	Rating	5
ECOLAB	Incidin Active	3%	Rating	5
ECOLAB	Incidin Foam	-	Rating	5
ECOLAB	Incidin Liquid	-	Rating	5
ECOLAB	Incidin OxyFoam S (red)	-	Rating	5
ECOLAB	Incidin Plus	8%	Rating	5
ECOLAB	Incidin Pro	4%	Rating	5
ECOLAB	Incidin Rapid	2%	Rating	5
Hagleitner Hygiene	hygienicDES Forte	-	Rating	5
Hagleitner Hygiene	hygienic3000	7.5%	Rating	5
Hagleitner Hygiene	hygienicDES 2GO	0.5%	Rating	5
Hagleitner Hygiene	hygienicPLUS	-	Rating	5
Hagleitner Hygiene	wcDISINFECT	-	Rating	5
Henkel AG	SIDOL Küchenkraft	-	Rating	5

Manufacturer	Product	Concentration applied	Unit	Result*
Johannes Kiehl KG	Blutoxol	7.5%	Rating	4
Johannes Kiehl KG	Desinet-compact concentrate	2%	Rating	5
Johannes Kiehl KG	Desisan concentrate	6%	Rating	5
Johannes Kiehl KG	RapiDes	-	Rating	5
Lysoform Dr. Hans Rosemann GmbH	Lysoformin rapid	2%	Rating	5
Lysoform Dr. Hans Rosemann GmbH	Lysoformin spezial	0.75%	Rating	5
Omnident	Omnizid	-	Rating	5
Schülke & Mayr	Pursept-A Xpress	-	Rating	5
Schülke & Mayr	Pursept-AF	6%	Rating	5
Schülke & Mayr	Antifect extra	2.5%	Rating	5
Schülke & Mayr	Mikrozid PAA wipex	-	Rating	5
Servi Canto	Acrilim	-	Rating	5
Suma	Suma BAC D10	1%	Rating	5
Suma	Suma MULTI D2	1%	Rating	5
Tana Chemie GmbH	Apesin AP 100 plus	3%	Rating	5
Tana Chemie GmbH	Apesin multi QUICK&EASY	-	Rating	5

*** Evaluation scale resistance to stains**

Evaluation degree	Requirements
Rating 5	No visible change
Rating 4	Slight change of gloss level and/or colour, only visible from a certain perspective
Rating 3	Moderate change of gloss level and/or colour
Rating 2	Clear change of gloss level and/or colour
Rating 1	Surface defects and/or blistering

EGGER Compact Laminate surfaces must be regularly cleaned . We recommending reading our technical data sheet “Recommendations for cleaning and use”.

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. The information provided is based on practical experience, in-house testing, and reflects our current level of knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. Furthermore, the continuous further development of EGGER Compact Laminate products as well as the amendment of standards and public documents may result in technical changes. The contents of this technical data sheet should therefore not be considered as instructions for use or as legally binding. Our General Terms and Conditions of Sale and Delivery apply.