



ROBBERECHTS

Product description

With PerfectSense we offer for the first time a lacquered surface with a highly reflective and exceptionally smooth finish (Gloss), as well as a special look, feel and anti-fingerprint feature (Matt). The production of this premium product category involves finishing a melamine-resin-coated MDF coreboard with the help of an innovative lacquering process that is precisely adjusted for the surface. This product once again demonstrates that we are able to meet the demand for premium board surfaces. Distributors, fabricators, architects and the furniture industry are provided with a solution for high-quality furniture construction for contract projects involving kitchen and furniture frontals. Our EGGER MDF is used as coreboard, which meets both E1 and CARB2/TSCA requirements. ST9 is the standard for back panel textures.

Application

The following information should be observed for daily use:

- Spilled liquids should always be wiped or cleaned up immediately, as prolonged exposure to some substances may have a negative effect on the PerfectSense surface properties (see table 1).
- Particularly in the areas around cut-outs and joints, spilled liquids should always be cleaned up quickly and thoroughly.
- As a general rule dirt and spilled substances such as tea, coffee, wine etc. should be cleaned immediately as the cleaning work increases if they are left to dry.
- For best results, always wipe the surface dry with a regular soft cloth after damp cleaning.

Light, fresh soiling

Use a soft, lint-free cloth, a leather chamois or a sponge. Do not use microfibre cloths or cleaning erasers, since these often contain fine abrasive particles which can lead to scratching of the surface. Wipe the damp surface dry using absorbent paper towel (e.g. kitchen roll) to prevent the formation of streaks.

Streaks often form when the surface is cleaned with organic solvents, together with cold water and old cloths or window leathers. With all cleaning methods, to prevent shadings or streaks, we recommend wiping with warm water and then drying the surface using normal paper towels or cotton cloths.

Normal soiling – longer reaction time

With this type of soiling, clean the surface with warm water using a clean cloth, soft sponge or soft brush. If required, a light-duty household cleaning agent or neutral soap without abrasive ingredients can be used. Wipe with pure water to remove any residual cleaning agent and to avoid the formation of streaks. Then dry the surface with a clean, absorbent cloth or paper towel. Standing water and other liquids can cause permanent damage. For stubborn dirt (aged grease residues, shoe polish, felt pen etc.), a regular glass cleaner can be used. Always test cleaning agents first on a small inconspicuous area.



ROBBERECHTS

The following cleaning agents must not be used:

- Scouring and abrasive agents (e.g. microfibre cloths, abrasive powders, scouring pads, steel wool).
- Polish, washing powder, furniture cleaner, bleach.
- Cleaning agents with strong acids and strong acid salts, harsh chemical substances or solvents (e.g. alcohol, ammonia).
- Steam cleaning machines.

Chemical resistance and PerfectSense

The decisive criterion for the surface resistance to various substances is to test its insensitivity. This will examine how substances of the daily life affects the surface of PerfectSense. It is tested by putting them directly on the lacquered surface while the resting time and the conditions for every test are prescribed. At the end of every contact time the test specimens get washed off and the remaining marks will get examined. PerfectSense lacquered boards have a very high resistance to the most commonly used chemicals (stress group 1 B). These are listed in Table 1 and have been tested according to BS EN 12720:2009-07.

Table 1: Surface testing according to BS EN 12720:2009-07

Testing agent	Exposure time	Result*
1 Acetic acid	1 h	5
2 Citric acid	1 h	5
3 Ammonia water	2 min	5
4 Ethyl alcohol	1 h	5
5 Red wine	6 h	5
6 Beer	6 h	5
7 Cola	16 h	5
8 Coffee	16 h	5
9 Black tea	16 h	5
10 Blackcurrant juice	16 h	5
11 Condensed milk	16 h	5
12 Water	16 h	5
13 Petrol	2 min	5
14 Acetone	10 s	5
15 Ethyl butyl acetate	10 s	5
16 Butter	16 h	5
17 Olive oil	16 h	5
18 Mustard	6 h	5
19 Onion	6 h	5
20 Disinfectant	10 min	5
21 Cleaning agent	1 h	5
22 Cleaning solution	1 h	5



ROBBERECHTS

Disinfectants and PerfectSense

The variety of available disinfectants with different compositions, effects and application recommendations makes it impossible to give a general release to their use on PerfectSense. We recommend testing the disinfectant on the surface of PerfectSense in all cases. Only this approach guarantees the durability of the material in the desired application.

As additional information tested disinfectants are shown in Table 2 (with a resting period of 16 hours). You can find the results in the columns "PerfectSense Matt and Gloss".





ROBBERECHTS

Table 2: Tested Disinfectants

Manufacturer	Product	Test Conditions	PerfectSense Matt*	PerfectSense Gloss*
Dr. Schumacher GmbH	Descosept PUR	ready for use	5	5
Dr. Nüsken	Nüscosept Forte	2% solution	4	4
Dr. Nüsken	Nüscosept Rapid	ready for use	5	5
Dr. Nüsken	Nüscosept Foam	ready for use	4	4
Tana Chemie GmbH	Apesin AP 100 plus	3% solution (3g / 100ml)	5	5
Tana Chemie GmbH	Apesin multi QUICK&EASY	ready for use	4	4
Dreiturm	Hexawol	7,5% solution (75g / 1l)	4	4
Dreiturm	Hexawol fix	ready for use	5	5
Lysoform Dr. Hans Rosemann GmbH	Lysoformin spezial	0,75% solution (6ml / 800ml)	4	4
Lysoform Dr. Hans Rosemann GmbH	Lysoformin rapid	2% solution (2ml / 100ml)	4	5
B. Braun	Meliseptol	ready for use	5	5
B. Braun	Promanum pure	ready for use	5	4
B. Braun	Hexaquart forte	ready for use	4	5
B. Braun	Meliseptol rapid	ready for use	3	4
B. Braun	Softa-Man (Softalind) pure	ready for use	4	4
Hagleitner Hygiene	hygienicDES Forte	ready for use	5	4
Hagleitner Hygiene	hygienic3000	7,5% solution	4	5
Hagleitner Hygiene	hygienicPLUS	ready for use	4	5
Hagleitner Hygiene	hygienicDES 2GO	0,5% solution	3	5
Hagleitner Hygiene	wcDISINFECT	ready for use	4	5
ECOLAB	Incidin Pro	4% solution	3	4
ECOLAB	Incidin Active	3% solution	5	5
ECOLAB	Incidin OxyFoam S (rot)	ready for use	4	4
ECOLAB	Incidin Foam	ready for use	5	4
ECOLAB	Incidin Liquid	ready for use	5	4
ECOLAB	Incidin Rapid	2% solution	4	5
ECOLAB	Incidin Plus	8% solution	3	4
Antiseptica	Descocid-N	2% solution	5	5
Antiseptica	Antiseptica Kombi-Flächen	4% solution	4	4
Johannes Kiel KG	Desisan Konzentrat	6% solution	4	5
Johannes Kiel KG	Blutoxol	7,5% solution	3	5
Johannes Kiel KG	RapiDes	ready for use	4	4
Johannes Kiel KG	Desinet-compact Konzentrat	2% solution	3	4
Servi Canto	Acrilim	ready for use	5	4
Omnident	Omnizid	ready for use	4	4



ROBBERECHTS

*Table 3: Descriptive numerical rating code

Numerical rating	Description
5	No change Test area indistinguishable from adjacent surrounding area.
4	Minor change Test area distinguishable from adjacent surrounding area, only when the light source is mirrored on the test surface and is reflected towards the observer's eye, e.g. discolouration, change in gloss and colour. No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.
3	Moderate change Test area distinguishable from adjacent surrounding area, visible in several viewing directions, e.g. discolouration, change in gloss and colour. No change in the surface structure, e.g. swelling, fibre raising, cracking, blistering.
2	Significant change Test area clearly distinguishable from adjacent surrounding area, visible in all viewing directions, e.g. discolouration, change in gloss and colour, and/or structure of the surface slightly changed, e.g. swelling, fibre raising, cracking, blistering.
1	Strong change The structure of the surface being distinctly changed and/or discolouration, change in gloss and colour, and/or the surface material being totally or partially removed, and/or the filter paper adhering to the surface.