

## Technical leaflet

### Egger PerfectSense lacquered boards Cleaning and care instructions



## 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. ST2 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.

## 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       |

## 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".

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                   |

\*Table 3: Descriptive numerical rating code

| Numerical rating | Description                                                                                                                                                                                                                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5                | No change<br>Test area indistinguishable from adjacent surrounding area.                                                                                                                                                                                                                                                   |
| 4                | Minor change<br>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<br>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<br>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<br>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.                                                                                 |

## General information

These recommendations apply equally to PerfectSense Matt (PM) and Gloss (PG) surfaces, which have a distinctive look and feel. In combination with dark uni colours and dark woodgrain decors, it is important to note that signs of everyday wear and tear will be more visible than with light decors. The actual effect of PerfectSense is just as strong with light decors, but the visual impact is greater with dark decors. When the effects of wear and tear become visible, this does not actually represent any compromise in terms of surface quality. PerfectSense lacquered boards satisfy the high requirements of the AMK (Arbeitsgemeinschaft Die Moderne Küche e.V.) and the associated European standards with respect to all relevant quality requirements. For uses and application areas, quality requirements, technical data and supply formats, please see the respective data sheets.

## Further documents

PerfectSense Lacquered Boards Technical Data Sheet

PerfectSense Lacquered Boards Processing Instructions

### Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications may result from the continuous development of PerfectSense lacquered boards, as well as from changes to standards and public law documents. The contents of this technical data sheet should therefore not be considered as instructions for use or as legally binding.