

Product Information

DecoBoard | chemical resistance

Melamine resin faced wood-based panels must be resistant to staining materials listed in EN 14323, Annex A. All textures and decors of Pfleiderer's DecoBoard fulfil the values required after a contact time of 16 hours.

In the test method a range of substances, widely used in day-to-day living, are brought into contact with DecoBoard. These substances are divided into groups.

Group 1:

Application of the test substances at room temperature. Contact time 16 hours

Acetone*

Other organic solvents

Tooth paste

Hand cream

Urine

Alcoholic drinks

Natural fruit and vegetable juices

Lemonade and fruit drinks

Meat products, sausages and cold meats

Animal and vegetable fats, oils

Water

Yeast suspension in water

Saline solution (NaCl), saturated

Mustard

Lyes, soap solutions

Cleaning solution

23% dodecylbenzenesulfonate

10% alkyl aryl polyglycol ether

67% water

Organic solvent-based stain or dye remover

Citric acid solution (10%)

Group 2:

Application of the test substances at around 80°C. Contact time 16 hours

Coffee, black (120 g coffee per litre of water)*

Black tea (9 g tea per litre of water)

Milk (all types)

Application of the test substances at room temperature. Contact time: 16 h

Cola drinks

Wine vinegar

Alkali cleaning agents, diluted with water to 10% concentration

Hydrogen peroxide, 3%

Ammonia (10% solution of the commercially available concentration)
 Nail varnish
 Nail varnish remover
 Lipstick
 Water colours
 Water-resistant inks
 Ballpoint pen paste

(If the product to be tested fulfils the requirements for substances marked with an asterisk (*), the stain resistance requirement is also considered to be fulfilled. The other test substances are listed merely for information purposes.)

The following rating scale is used to describe the results:

- Rating 5: No visible change
- Rating 4: Slight change of gloss and/or colour, only visible at certain viewing angles
- Rating 3: Moderate change of gloss and/or colour
- Rating 2: Marked change of gloss and/or colour
- Rating 1: Surface damage and/or delamination

Decor boards must be resistant to the staining materials listed in EN 14323, Annex A (as listed above) and achieve rating ≥ 3 , which means moderate change to gloss and colour. **Pfleiderer DecoBoard fulfils the required values for all decors and textures.**

Basically, there are more resistant and more sensitive textures within the requirement:

Stain resistance increases the smoother the surface texture and the darker the decor. For improved (or optimised) stain resistance, pearl or hand-made (vat) textures (e.g. MP or VV) should be used. Smooth textures (e.g. HG or ML) are then not recommended.

Disinfection and cleaning

In addition, our laboratory has already tested several disinfectants which are also used for cleaning, and has classified them as **safe** to use on the DecoBoard surface:

The test method was based on EN 14323 Group 1.

Application of the test substances at room temperature. Contact time 16 hours

Disinfectant	Concentration / %
Acryl Des	
Biotenside surface disinfectant	
Mikrobac Forte	
Terralin Protect 0.5 %	0.5
Perform 0.5%	0.5
Perform 1%	1
Perform 3%	3
Meliseptol	
Hexaquat forte	
Helipur	
Sterillium	
Incidin	
Incidin Plus	
Mikrobac forte	

Bacillol AF	
Dismozon plus	0.4
Kohrsolin FF	0.5
Bacillol 30 tissues	

Provided they are used properly, the named approved surface disinfectants do not cause surface damage to our decor boards.

Other disinfectants may leave residues on the surface, as they do not evaporate completely. This can result in smears, streaks or whitish to yellowish residues. We therefore recommend testing in a concealed area before using a product for the first time.

Please always follow the recommendations of the disinfectant manufacturer.

Please also follow the instructions for the care and cleaning of DecoBoard.

© Copyright 2016 Pfleiderer Deutschland GmbH / Pfleiderer Polska sp. z o.o.

This information has been compiled with the greatest care. Nevertheless we can assume no liability for the correctness, completeness and up-to-dateness of this information. Colour deviations caused by the printing technology are possible. In view of the ongoing further development and adaptation of our products, possible amendments to the relevant standards, laws and regulations, our technical data sheets and product documentation expressly do not constitute a legally binding assurance of the properties described there. In particular no guarantee of suitability for a concrete application can be derived. It is therefore the personal responsibility of the individual user in all cases to check the processing and suitability of the products described in this document for the intended application in advance, and to take into consideration the legal framework and the respective state-of-the-art. We furthermore expressly draw attention to the applicability of our General Terms and Conditions.