

Product information

Melamine faced chipboards

Chemical resistance, resistance to disinfectants

Melamine faced chipboards must be resistant to the stain-forming materials listed in DIN EN 14323, Annex A.

In the test procedure, a series of substances that are widely used in daily life are brought into contact with melamine faced chipboards. These substances are divided into groups.

The test is carried out with the two representative test substances acetone and black coffee. If the product to be tested meets the requirements, the requirement for resistance to stains is also deemed to be met. The other stain-resisting substances listed in Annex A are for information only and may be used by agreement between Pfleiderer and its customers.

Pfleiderer melamine faced chipboards meets the required standard specifications (level ≥ 3).

The following rating scale applies for the classification of the results:

Grade	Description
5	No visible change
4	Slight change of gloss and/or colour, only visible at certain viewing angles
3	Marked change of gloss and/or colour
2	Severe change of gloss and/or colour
1	Surface distortion and/or blistering

Please note:

Surface changes are visually more noticeable in contrast with smooth surface structures in combination with dark decors.

Substances of the group 1:

Apply staining agent at ambient temperature. Contact time 16 hours.			
Acetone	Other organic solvents	Toothpaste	Hand cream
Urine	Alcoholic beverages	Natural fruit and vegetable juices	Lemonade and fruit drinks
Meats and sausages	Animal and vegetable fats, oils	Water	Yeast suspension in water
Salt (NaCl), solutions	Mustard	Lyes, soap solutions	Cleaning solution Dodecylbenzene sulphonate 23% Alkyl aryl polyglycol ether 10% Water 67%
Stain or paint remover based on organic solvents	Citric acid (10% solution)		

Substances of the group 2:

Apply test material at approximately 80°C. Contact time 16 hours.			
Coffee Black (120 g of coffee per litre of water)	Black tea (9 g of tea per litre of water)	Milk (all types)	
Apply test material at ambient temperature. Contact time 16 hours.			
Cola beverages	Wine vinegar	Alkaline-based cleaning agents diluted to 10% concentration with water	Hydrogen peroxide (3% solution)
Ammonia (10% solution of commercial concentrate)	Nail varnish	Nail varnish remover	Lipstick
Water colours	Laundry marking inks	Ball point inks	

Disinfection and cleaning

In addition, several surface disinfectants that are also used for cleaning were tested and found to be harmless for Pfleiderer melamine faced chipboards.

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

Manufacturer	Product	Result
Schülke	Mikrozid sensitive liquid (vormals Acryl-des)	5
Schülke	Terralin Protect 0,5 %	5
Schülke	Perform 0,5%	5
Schülke	Perform 1%	5
Schülke	Perform 3%	5
B.Braun	Meliseptol	5
B.Braun	Hexaquat forte	5
B.Braun	Helipur	5
Hartmann	Sterillium	5
ECOLAB	Incidin Active 3%	5
ECOLAB	Incidin Plus 8%	5
ECOLAB	Incidin Foam (ready for use)	5
ECOLAB	Incidin Liquid (ready for use)	5
ECOLAB	Incidin Pro	5
Hartmann / Bode	Dismozon plus 0,4	5
Hartmann / Bode	Kohrsolin FF 0,5	5
Hartmann / Bode	Bacillol 30 Tissues (ready for use)	5
Hartmann / Bode	Bacillol AF	5
Hartmann / Bode	Mikrobac Forte	5
Lysoform	Trichlorol 5%	5
Lysoform	Lysoformin Rapid 2%	5
woldoclean	Isopropanol 70% Reinigungsalkohol	5
Dr. Schumacher	Optisal Pro	5

The test procedure was based on DIN EN 14323 Group 1.

The above-mentioned approved surface disinfectants do not cause any surface damage to our products when used properly¹⁾.

The manufacturer's instructions on dosage and application of disinfectants must be observed.

Observe the prescribed protective measures and rules of conduct when using disinfectants.

Interactions of disinfectants with each other or in combination with other cleaning agents have not been investigated.

Our surfaces must be cleaned regularly during their service life. Please refer to our corresponding cleaning recommendation.

We recommend testing disinfectants in an inconspicuous place before using them for the first time.

Ensure that the disinfectants used are disposed of properly.

¹⁾ No findings are available for DecoBoard Real Metal and DecoBoard RH (anti-slip)

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