

PRODUCT INFORMATION

Resistance to disinfectant of Duropol Laminates

Duropol high-pressure laminates are perfect for areas where good hygiene is required. They are characterized by easy cleaning, maintenance and disinfectability. They are hygienic, environmentally friendly, not-toxic and harmless for food-contact applications. Furthermore they are very robust and long lasting.

Duropol laminates display high resistance to chemical attack and most disinfectants. This permits a regular and thorough cleaning. The ease-of-cleaning and good disinfectability is favoured by the fact that laminate surfaces consist of thermosetting resin which form a stable, resistant and a material beyond reactivation. The surface is also completely closed, i. e. free of pores, no dirt and germs may deposit.

On the market a number of surface disinfectants are available, which differ significantly in terms of their chemical constituents, effects and methods of application, for example with regard to the frequency of application and duration on the surface. In connection with Duropol HPL disinfectant agents are used as surface disinfectant.

As a rule for this kind of disinfection products are used which show one of the following active principles or work on basis of one of the mentioned chemicals:

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

EXAMINATION OF RESISTANCE TO DISINFECTANTS

Conforming to DIN EN 438-2 the Duropal laminates have been tested according to test procedure 2016:26 for resistance to disinfectants. For this purpose the decors U12188 (U1188) Light Grey and R30023 (R5152) Block Walnut have been used.

At the end of the exposure of 16 hours, the laminate surface was washed up and examined with regard to traces on the surface. The results have been categorized into the 5 usual levels:

- Level 5: No visible change.
- Level 4: Slight change of gloss level and/or colour which is only visible under certain viewing angles.
- Level 3: Moderate change of gloss level and/or colour.
- Level 2: Clear change of gloss level and/or colour.
- Level 1: Damage of the surface and/or blistering.

Manufacturer	Product	Concentration	Rate
B. Braun	Helipur 1l	4%	5
B. Braun	Melsept	/	5
B. Braun	Melsitt	10%	5
Bode Chemie	Dismozon plus	/	5
Bode Chemie	Dismozon pur	4%	5
Bode Chemie	Bacillol AF	/	5
Bode Chemie	Kohrsolin extra	6%	5
Desomed	Desomed Perfekt	/	5
Dr. Nüsken Chemie	Nüscosept	4%	5
Dr. Schnell Chemie	Forol Fruit	2%	5
Dr. Schnell Chemie	Floortop	/	5
Dr. Schnell Chemie	Desifor Protect	/	5
Dr. Schumacher	Optisept	/	5
Dr. Schumacher	Ultrosol F	/	5
Ecolab	Brial Top	5%	5
Ecolab	Minutil	/	5
Ecolab	Desguard 20	0.5%	5
Ecolab	Desguard 20	3%	5
Ecolab	Incidin® active	2%	5
Ecolab	Incidin® Plus	8%	5
Ecolab	Incidin® Perfekt	/	5
Ecolab	Incidin® Pro	4%	5

July 2020

Ecolab	Incidin® Pro	100%	5
Ecolab	Incidin® Rapid	0.5%	5
Ecolab	Incidin® Rapid	2%	5
Kesla Pharma	Wofasteril	1%	5
Kesla Pharma	Wofasteril Kombiverfahren – Wofasteril und Alcapur	2%	5
Lysoform	Amocid	5%	5
Lysoform	Clorina	/	5
Lysoform	Trichlorol	5%	5
Lysoform	Aldasan 2000	/	5
Lysoform	Lysoformin-Plus	2%	5
Menno Chemie	Neopredisan® 135-1	/	5
Merz Hygiene GmbH	Pursept-FD	/	5
orochemie	B5	/	5
Redditch Medical	InSpec HA	/	5
Schülke	pursept® A Xpress	/	5
Schülke & Mayr	Perform	3%	5
Schülke & Mayr	Terralin PAA	8%	5
Schülke & Mayr	mikrozid®AF wipes	/	5
Tana PROFESSIONAL	Apesin AP 100	/	5

RESULT

None of the tested disinfectants led to a change in the Duropal laminate.

Duropal laminates are resistant to common disinfectants.

Since the nature and composition of the disinfectants is not always known, it is however recommendable to generally remove these substances after the exposure time has been reached. For said reasons a general release of disinfectants is not possible.

Therefore, before first use, a test is advisable at a non-visible point.

PM HPL/elements

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