

CLEANING AND CARE INSTRUCTIONS FOR DLW LINOLEUM WITH LPX FINISH

Dear customer,

We are pleased that you have chosen a DLW LINOLEUM floor covering with LPX FINISH. So that you can continue to enjoy your floor for as long as possible, you should observe the following points as a matter of principle:

- Reduce the amount of dirt carried into the building with adequately-sized dirt-trapping zones.
- Dirt leads to higher wear and may result in discolouration of the floor covering.
- Gritty particles of dirt intensify the abrasive action on the floor surface.
- During the construction phase, the floor covering must be protected with a cover.
- Scouring agents or strong solvents should not be used as cleaning products.
- For hygienic reasons and to preserve their value and aesthetic qualities, all floor covering should be cleaned at regular intervals.

DLW LINOLEUM floor coverings with LPX FINISH require little care and maintenance. With these types of flooring, no care treatment is required if the following points are observed.

As a result, when using DLW LINOLEUM with LPX FINISH, significant cost savings can be made compared to conventional floor coverings.

Please note:

Abrasive overuse of the floor coverings, caused for example by sharp-edged furniture, the introduction of dirt (e.g. sand, small stones) and by constant pushing and travel movements on the same surface areas, constitutes extreme stress which no floor covering would be able to withstand without damage in the long term. In order to avoid premature wear of the floor covering in areas subject to such heavy usage, the floor covering can be protected here by applying a layer of care treatment.

In principle, when selecting the cleaning and care products for DLW LINOLEUM with LPX FINISH, care must be taken to ensure that only products with a pH value < 9 are used, as products that are too strongly alkaline-aggressive can attack the natural raw materials of the linoleum and destroy the floor covering.

For this reason, do not use any **soft soap**.

In the event that the factory-applied LPX FINISH is damaged by such overuse, it is possible to restore the floor covering by means of thorough cleaning and application of a polymer dispersion.

The individual work steps for cleaning DLW LINOLEUM with LPX FINISH are set out in detail below:

1 Cleaning after completion of the construction work or initial cleaning

Remove construction contamination in the form of coarse dirt or dust on the floor covering by vacuuming or sweeping.

a) Where there is a low level of soiling, wet cleaning is recommended, adding a neutral or alcohol-based cleaner to the cleaning water.

b) Severe contamination can be removed using a cleaning machine or a single-disc machine, maximum speed 150-180 rpm (red 3M pad or soft scrubbing brush), and a neutral cleaner, alcohol-based cleaner

or intensive cleaner with a pH value < 9. Following this, the floor covering is neutralised/rinsed with clean water. The **LPX FINISH** applied in the factory **must not be removed**.

Where necessary, the dry floor covering can also be polished using a single-disc machine (beige or red 3M pad) (speed between 300 and 1000 rpm).

As no care treatment is necessary following the cleaning after completion of the construction work, lengthy drying times before further use are also eliminated.

If a care treatment for the floor is desired, the thorough cleaning procedure should be carried out with a green 3M pad. After the loosened dirt has been vacuumed up, the floor covering should be neutralised thoroughly with clean water. Allow the floor to dry completely (at least 12-24 hours depending on the room climate). This approach makes it possible to avoid any adhesion problems with the care treatment agent.

2 Care treatment

For DLW LINOLEUM with factory LPX FINISH, no care treatment is necessary following the cleaning after completion of the construction work, but this can be carried out if desired.

If a coating is desired, then, for example,

care treatment agents that are resistant to disinfectants should be used in healthcare buildings.

We will be happy to provide you with the name of the care treatment agent recommended by the relevant manufacturer if you enquire by telephoning +49 (0)71 42 / 71 255.

2.1 Surface disinfection

In areas where regular surface disinfection is carried out, LINOLEUM LPX should be treated with a polymer dispersion that is resistant to disinfectants.

Skin and wound disinfectants that contain dyeing substances such as iodine give rise to stains on all resilient floor coverings.

3 Regular cleaning

The procedure to be selected depends on the level of the soiling, the care treatment where applicable, and the requirements concerning hygiene and cleanliness. If the soiling permits, dry procedures can be selected. This keeps the costs of the care treatment down and protects the environment due to the limited use of chemicals.

With the wet/damp mopping method, **water-soluble care products** recommended by the manufacturers in question are added to the cleaning water. Regular polishing consolidates the surface protection and improves the wear resistance of the floor covering. As a result, improved protection against shoe marks is achieved, protecting against mechanical influences, among other things.

If the floor covering has been coated, the regular cleaning agent must be adjusted in line with the coating.

3.1 Dry cleaning

Regular dry cleaning should be carried out using a mop head covered with an impregnated fleece cloth or microfibre cloth.

3.2 Wet/damp mopping procedure

Damp mopping

Light contamination with loose or lightly adhering dirt is picked up with damp mopping devices and misted mops. Here, the top surface of the floor covering is completely wetted with cleaning water (add water-soluble care product to the water in line with the manufacturer's instructions), without the water remaining on the floor covering for any period of time.

Wet mopping

When wet mopping, the amount of cleaning water used is just sufficient to leave a thin film of water on the floor covering initially. After the treatment time, even firmly bonded dirt is released and picked up with the mop that is rinsed and pressed out in the cleaning water.

The method does not require any machine, only a double-bucket system with a wringer and a mop. After the cleaned area has dried, if necessary it can be polished using a single-disc machine (300 to 1000 rpm) with a beige or red 3M pad. In areas where wet disinfection is regularly carried out, it is recommended to add suitable disinfectants to the cleaning water.

3.3 Intensive cleaning

Intensive cleaning is understood as the (local) intensive treatment of stubborn stains or tread marks following mopping. Contamination of this type is sprayed with combined cleaning and care products (cleaners). The treatment of the contamination is best carried out with disc machines on top of soft cleaning pads. Please do not use any hard sponges or scouring agents as these could damage the LPX FINISH.

3.4 Machine cleaning

For large areas, there are automatic scrubbers that scrub (soft brush or red pad) and vacuum up in the same operation. The procedure corresponds to wet cleaning. A suitable machine cleaning product for LINOLEUM LPX is added to the water in line with the instructions from the cleaning product manufacturer. The machine's suction device must be configured in line with the device manufacturer's specifications.

3.5 Access floor components

Here the intensive cleaning method (see 3.3) and the damp mopping procedure should be used, with the damp mopping procedure being carried out with a light mist or using a prepared fleece cloth.

When carrying out thorough cleaning on access floor constructions, the amount of water must be kept to a minimum in order to avoid damage to the access floor components and the cables located underneath them.

4 Thorough cleaning

Thorough cleaning may be necessary in the case of stubborn dirt or deposits of care products. The intervals must be determined individually in accordance with the frequency of use

This thorough cleaning will be carried out after applying the basic cleaning agent (water and basic cleaner, pH value max. 9) with an automatic scrubber or a single-disc machine and a green 3M pad or a pad appropriate for the coating. After removing any residue, rinse the floor covering thoroughly with

clear water and allow to dry completely. A care treatment will be carried out once again on the dried covering surface.

5 Conductive DLW LINOLEUM floor coverings with LPX FINISH

When cleaning and caring for conductive DLW LINOLEUM with LPX FINISH, the same measures as described in points 1. and 3. are used.

So as not to modify the electrophysical properties of the floor covering in a detrimental way, we recommend only using water-soluble care products for care treatments. If coatings are to be used for care treatments, the suitability of the product must be agreed with the relevant care product manufacturer.

6 Additional measures in public buildings

6.1 Correct installation of dirt-trapping zones

Grates located in front of the entrance door must extend across the entire width of the door, so that it is not possible to walk past them at the side. The grate must be between two and three steps long, i.e. approximately 150 cm. Where possible, "open" or moveable grates should be selected.

6.2 Use of runners and mats

Textile runners and mats can be used as a clean-off zone in the entrance area. These protect the floor covering from fine dirt, dust and moisture and are easy to clean.

The use of dirt-trapping and/or clean-off zones reduces the cleaning costs and the wear of the floor covering due to dirt.

6.3 Dry care film renewal

With this method, only the layers of care film that are actually dirty/damaged, i.e. walkways, are dry ground using the Nilfisk 545 combination machine and a suitable pad, with the suction feature switched on, so that even matting of the uppermost care film is achieved. Electrostatically-bound residual dust on the surface of the floor covering is then removed with a bladed mopping device and a single-use fleece cloth. The mop is now used to apply a new layer of polymer dispersion on top of the care film that has been ground down.

After the drying time, this new application of care film will be levelled in line with the other care film by polishing it with the Nilfisk 545 combination machine and a suitable pad (e.g. blue 3M pad), using a cleaner.

This cleaning method replaces the laborious process of carrying out thorough cleaning of the entire surface area, see point 4, of the DLW LINOLEUM LPX that has been laid.

In addition to saving water and reducing waste water, work costs and working time, this cleaning method is environmentally friendly, cost saving and also odour-neutral due to the fact that the alkaline basic cleaner is no longer used.

7 Special instructions

7.1 Discolouration

Coloured, especially black rubber can cause discolouration that can no longer be removed in the case of long-term contact with the floor covering. This applies e.g. in the case of car tyres, casters and feet of washing machines, refrigerators, prams, etc. This discolouration will not arise immediately but rather on the transfer of substances, followed by exposure to light. Casters made of polyurethane should be used to avoid such discolouration. If this is not possible, then it is advisable to use protector pads.

Discolouration can also be caused by flowerpots made from terracotta or coloured material. Suitable flowerpot saucers or mats can prevent discolouration.

Hair dyes and disinfectants containing strong dyes can also discolour the surface of the floor covering irreparably if they are not removed immediately after contact.

7.2 Tender texts

Sample texts for cleaning after completion of the construction work and care treatment measures can be obtained by telephoning: +49 (0) 71 42 / 71 3 40.

7.3 Office chairs/furniture

For use on resilient floor coverings, office chairs must be equipped with type W (soft) casters according to EN 12529, Similarly, furniture should be fitted with soft bases, such as felt gliders. In order to avoid damage to the floor coverings, particularly in schools or similar public buildings, care must also be taken to ensure that the contact surfaces of chairs are not sharp-edged or abrasive. School furniture should therefore be fitted with Floor Care protective gliders from VS Vereinigte Spezialmöbelfabriken GmbH & Co., Tauberbischofsheim (www.vs-moebel.de), or with comparable gliders. As with the floor covering itself, furniture gliders should be cleaned regularly, checked for damage and replaced if necessary.

7.4 Adhesive tapes

If adhesive tape is used on the floor covering, please contact the manufacturer in question for details of compatibility.

7.5 General points

These recommendations are based on our general practical experience and reflect the latest developments in cleaning technology according to our knowledge at the time of publication. However, we accept no liability for completeness, accuracy and applicability in individual cases.

Following completion of the installation work, in areas that have a lot of traffic during the construction phase, protective covers should be used to safeguard the floor covering area against damage, contamination and scratches.

The customer and/or the cleaning service provider commissioned is solely responsible for complying with these cleaning and care instructions. We are not responsible for any damage to or negative impact on the floor covering due to failure to comply with these cleaning and care instructions, and shall not accept any liability.

The non-slip properties of a floor covering are significantly influenced by dirt that is carried into the building, the frequency of cleaning and the cleaning and care products used. Insufficient cleaning given the amount of traffic can therefore lead to hygiene problems and problems with slipperiness.

8 Index of manufacturers

8.1 Cleaning and care products

The manufacturers mentioned should be regarded as examples. The suitable cleaning and care products for DLW LINOLEUM with LPX FINISH can be requested here. Equivalent products from other manufacturers may also be used. When handling the products, the product-specific manufacturers' conditions should be observed, and where necessary the manufacturer of the product must be consulted. The manufacturers are responsible for the usability and compatibility of their products and their mode of action in each case. They will be happy to provide information on these points. Consequently, we cannot guarantee that the user's expectations of the cleaning outcome will be met after carrying out cleaning and care measures, and accept no liability for this.

Alfred Kärcher GmbH & Co.
Cleaning systems
Alfred-Kärcher-Straße 28-40
D- 71364 Winnenden,
Germany
Tel.: +49 (0) 71 95 / 14-0
www.kaercher.com

Ecolab Deutschland GmbH
Reisholzer Wertstrasse 38-42
D-40589 Düsseldorf, Germany
Tel.: +49 (0) 2 11 / 98 93-0
www.professionalproducts.de

TANA Chemie GmbH
Rheinallee 96
D- 55120 Mainz, Germany
Tel.: +49 (0) 61 31 / 9 64-03
www.tana.de

BUZIL-WERK
Wagner GmbH & Co.KG
Fraunhoferstraße 17
D- 87700 Memmingen,
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Tel.: +49 (0) 83 31 / 930-731
www.buzil.com

Johannes Kiehl KG
Robert-Bosch-Straße 9
D- 85235 Odelzhausen, Germany
Tel.: +49 (0) 81 34 / 93 05-0
www.kiehl-group.com

Wetrok GmbH
Maybachstraße 35
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Tel.: +49 (0) 21 71 / 398-0
www.wetrok.de

CC-Dr. Schutz GmbH
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DREITURM GmbH
Industriegebiet West
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Tel.: +49 (0) 66 63 / 9 70-0
www.dreiturm.de

LOBA GmbH & Co. KG
Leonberger Straße 56 – 62
D- 71254 Ditzingen, Germany
Tel.: +49 (0) 71 56 / 3 57-0
www.loba.de

Dr. Schnell Chemie GmbH
Tanusstraße 19
D-80807 München, Germany
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www.dr-schnell.de

RZ Chemie GmbH
Industriepark Kottenforst
D-53340 Meckenheim, Germany
Tel.: +49 (0) 22 25 / 94 46-0
www.rz-reinigungssysteme.de

The Technical Customer Service of Gerflor DLW GmbH will also provide information on the cleaning and care products recommended by the respective manufacturers on request, telephone: +49 (0) 71 42 / 71 255.

8.2 Machines and equipment

Alfred Kärcher GmbH & Co.
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Alfred-Kärcher-Straße 28 – 40
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www.johnsondiversev.com

Columbus REINIGUNGSMASCHINEN
G. Staehle GmbH u. Co. KG
Mercedesstraße 15
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Tel.: +49 (0) 7 11 / 9 54 49 50
www.columbus-clean.com

Nilfisk-Advance AG
Siemensstraße 25 / 27
D- 25462 Rellingen, Germany
Tel.: +49 (0) 4101 / 39 90
www.nilfisk-advance.de

Ecolab Deutschland GmbH
Reisholzer Werftstrasse 38-42
D- 40589 Düsseldorf, Germany
Tel.: +49 (0) 2 11 / 98 93-0
www.professionalproducts.de

VERMOP Deutschland GmbH
Kiesweg 4-6
D-97877 Wertheim, Germany
Tel.: +49 (0) 9342 / 878-0
www.vermop.com

8.3 Cleaning discs and dirt-trapping mats

Kampmann GmbH
Friedrich-Ebert Straße 128-130
D- 49811 Lingen (Ems), Germany
Tel.: +49 (0) 5 91 / 71 08-0
www.kampmann.de

3M Deutschland GmbH
Carl-Schurz-Straße 1
D-41453 Neuss, Germany
Tel.: +49 (0) 21 31 / 14 -0
www.3m.com

Your contact for questions relating to cleaning at Gerflor DLW GmbH, Technical Customer Service, Stuttgarter Straße 75, D- 74321 Bietigheim-Bissingen, Germany, can be reached as follows:

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This issue supersedes all previous issues

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