

RECOMMENDATIONS FOR CLEANING AND CARE WITH PUR

Dear Customer,

We are delighted that you have chosen to purchase an Armstrong floorcovering with PUR reinforcement. To ensure your floor retains its original appearance for as long as possible, follow these basic rules:

- Reduce the amount of dirt brought into the building by means of using adequate size dirt trap zones.
- Remove soiling as soon as possible as it increases wear and may also cause discoloration of the floor covering.
- Remove grit from the surface as it will have an abrasive effect on the surface of the flooring.
- During the construction work the flooring should be kept covered to protect it.
- Abrasives or strong solvents should not be used for cleaning.
- All flooring should be cleaned regularly for hygienic and aesthetic reasons and to maintain its value.

DLW Linoleum, Luxury Vinyl and Vinyl floor coverings with a factory-applied PUR reinforcement are easy to care for. Basically, no initial consolidation treatment is required for these types of coverings.

When using floor coverings with PUR reinforcement, significant cost savings can be made in comparison with conventional floor coverings.

Please bear in mind:

Exposing floorings to excessive abrasion, for example through sharp edged furniture, dirt (e.g. sand, small stones), constant sliding and pushing repeatedly on the same areas, represent extreme loads which can damage any floor covering if it is exposed on a long-term basis. To avoid premature wear of the floor covering in such areas, it can be protected by applying a treatment to the floor covering.

Should the factory-applied PUR reinforcement become damaged by such excessive abrasion, restoration is possible by means of dry buffing and the application of a permanent polyurethane sealing coat (e.g. CC-PU-Siegel matt by CC-Dr. Schutz).

The individual steps involved when cleaning DLW Linoleum PUR, Luxury Vinyl PUR and Vinyl PUR floor coverings are described in detail in the following sections

1 Initial treatment on completion of installation

Remove construction soiling (e.g. grit or dust) by vacuuming or sweeping the floor covering.

a) With minor soiling wet cleaning is recommended, with a neutral or alcohol-based cleaning agent being added to the water.

b) Heavy soiling can be removed either with a cleaning or a single-disc machine (beige or red 3M pad) and a neutral cleaning agent. Alternatively, suitable thorough cleaners (ph value max.10) can be used. The floor covering is neutralised with clean water.

2 Treatment

Although consolidation treatment is not necessary for DLW Linoleum, Luxury Vinyl and Vinyl floor coverings with a factory-applied PUR reinforcement after the thorough cleaning on completion of installation, it is however possible if required.

No consolidation treatment is necessary after the thorough cleaning process.

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

If additional surface treatment is to be applied to the floor, thorough cleaning should be carried out with a green 3M pad. After vacuuming off the accumulated dirt, thorough neutralisation should be carried out by rinsing the floor covering with clean water. Allow floor to dry off completely. This procedure prevents any problems with adhesion of the treatment product.

If a coating is required, for example in the healthcare sector, disinfectant-proof treatment products should be used. We would be pleased to inform you about the treatment products recommended by the respective manufacturer; please call tel. no. +49 (0) 71 42 / 71 340.

2.1 Surface disinfection

The finishes of DLW Linoleum PUR, Luxury Vinyl PUR and Vinyl PUR are resistant to surface disinfectants.

3 Routine maintenance

The correct procedure to be used will depend on the degree of soiling, and the requirements on hygiene and cleanliness. If the degree of soiling is low, a dry buffing regime can be used. This reduces the costs of care and is easy on the environment due to the low level of chemicals involved.

When using wet/damp methods, **neutral or alcohol-based** cleaning agents recommended by the respective manufacturer are added to the water.

If the floor covering has had a consolidation treatment, the products used for regular cleaning have to be selected according to the surface treatment chosen.

3.1 Dry cleaning

Regular dry cleaning is carried out using a fleece cloth holder with an impregnated fleece or microfibre cloth inserted.

3.2 Wet/damp methods

Damp mopping

Light soiling involving loose or easily detached dirt is removed using damp mopping equipment with slightly dampened mop pads. Here the surface of the floor covering is completely moistened with the mopping water (add cleaning product to water according to manufacturer's instructions) without leaving a layer of water on the floor covering.

Wet mopping

With wet mopping apply sufficient water to initially leave a thin film of water on the floor covering. After this has taken effect, even stubborn dirt will have been detached and can be removed with the mop rinsed in the water and wrung out.

This method does not require any machines, just a double bucket on wheels with a wringer and mop.

After the cleaned surface has dried off, it can be polished if required with a single-disc machine (300 to 1000 rpm) and a beige or red 3M pad. In areas subjected to regular wet disinfection, it is recommended adding suitable disinfectants to the water.

3.3 Spray-cleaners

Spray cleaners are used to provide local intensive treatment of stubborn stains or marks left after mopping. Combined cleaning/care products (cleaners) are sprayed onto the marked area and it is then best treated with disc machines using soft cleaning pads.

NB do not use hard sponges or abrasives as this might damage the PUR reinforcement.

3.4 Mechanical cleaning

For large areas there are cleaning machines which perform scrubbing (soft brush or red pad) and vacuuming in one operation. This process works in the same way to wet cleaning. A suitable mechanical cleaning agent is added to the water according to the instructions of the cleaning agent manufacturer. The vacuuming device on the machine should be set according to the instructions of the equipment manufacturer.

3.5 Raised floors

The spray cleaner method (see 3.3) should be used here.

With the product DLW Luxury Vinyl: Scala PUR Easy installed on a raised access floor using a tackifier adhesive, only use the minimum amount of water for thorough cleaning to prevent any damage to the parts of the raised access floor and the cables underneath.

4 Thorough cleaning

Thorough cleaning may become necessary with extremely stubborn stains or to clean off built up deposits of normal cleaning care products. This will be dependant on the usage and traffic levels of the floor covering.

Thorough cleaning is carried out after application of the relevant cleaner (water with a cleaner of ph-value max. 10), with a cleaning or single-disc machine and a red 3M pad or a pad suitable for the coating. After vacuuming off the accumulated dirt, the floor covering should be rinsed thoroughly with clean water and allowed to dry off completely.

If the covering surface of DLW Linoleum PUR is to undergo thorough cleaning after severe mechanical damage, the above regime should be employed using a cleaner suitable for Linoleum.

5 Conductive floor coverings

This cleaning recommendation is also responsible for DLW Conductive PUR and ESD PUR floor coverings. The same measures as described under points 1-4 are used to clean and care for these conductive and ESD floor coverings.

Only cleaning products that are suitable for Conductive PUR and ESD PUR floor coverings should be used to ensure that the electrophysical properties of the floor covering are not adversely affected.

6 Additional care in commercial projects

6.1 Proper installation of entrance or zonal matting

Gratings in front of the entrance door must extend over the entire door width so they cannot be avoided at the side. The grating should be the length of two or three strides, i.e. approx. 150 cm. "Open" or moveable gratings should be used where possible.

6.2 Use of runners and mats

The use of dirt trap / control zones reduces cleaning expectancy of the flooring.

Textile runners and mats can be used to pick up dirt in the entrance area. They protect the floor covering from fine particles of dirt, dust and moisture and are easy to clean.

6.3 Dry clean restoration

If dry care film restoration is used at the property concerned (dry in-depth cleaning), the floor covering should be provided with a suitable coating beforehand. Dry care film restoration involves e.g. **multilayer application** of the care film and e.g. the combination machine 545 made by Nilfisk Advance AG.

7 Special notes

7.1 Discoloration

Dyed - in particular black - rubber may cause discoloration which cannot be removed if left in contact with the floor for a lengthy period. This occurs for example with car tyres, masking materials, castors and the feet on washing machines, refrigerators, prams etc. Such discoloration will not show immediately but is caused by a reaction between the rubber and the floorcovering. To avoid such discoloration, use castors made of polyurethane. If this is not possible, we recommend the use of protective plates.

Hair dyes and disinfectants with a strong discoloration effect may also damage the surface of coverings irreparably unless wiped off immediately after contact.

7.2 Invitation to tender texts

Sample texts for cleaning on handover and treatment measures are available on www.armstrong.eu

7.3 Office chairs / Furniture

For use on flexible floor coverings office chairs must be equipped with castors of the type W (soft) according to EN 12529.

Furniture should therefore be fitted with soft pads underneath, e.g. felt slides. To prevent damage to floor coverings occurring specifically in schools or similar heavy duty properties, it must also be ensured that the feet of the chairs are not abrasive or have sharp edges. For this reason, school furniture should have protective ends on the feet e.g. soft or polyurethane pads. Furniture slides should be cleaned as regularly as the floor covering itself and checked for damage, replacing where necessary.

7.4 Adhesive tapes

If adhesive tapes are used on the floor covering, please check the compatibility with the respective manufacturers.

7.5 General

These recommendations are based on our general practical experience and correspond to state-of-the-art cleaning methods where known to us at the time of publication. However, we accept no liability for their completeness, accuracy and applicability in individual cases.

As regards the individual cleaning and care processes, avoid leaving a layer of water on the floor covering with Luxury Vinyl PUR as this may adversely affect the adhesive system, or the tackifier with Luxury Vinyl Scala Easy.

The Armstrong brand name which is stamped on the surface of some homogeneous floorings is easy to remove with water.

8 List of manufacturers

8.1 Cleaning and care products

The manufacturers listed below are given by way of example. They can be contacted with enquiries about cleaning and care products suitable for DLW Linoleum PUR, Luxury Vinyl PUR and Vinyl PUR. Equivalent products from other manufacturers may also be used. Observe the manufacturer's product-specific instructions for use and consult the manufacturer of the product if necessary. Information about the usability and compatibility of products is the responsibility of the respective manufacturer, who will be pleased to provide further details.

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

Ecolab GmbH
Postfach 13 04 06
D-40554 Düsseldorf
Tel. +49 (0) 2 11 / 98 93-0
www.ecolab.com

RZ Chemie GmbH
Industriepark Kottenforst
D-53340 Meckenheim
Tel. +49 (0) 22 25 / 94 46-50
www.rz-reinigungssysteme.de

BUZIL-WERK
Wagner GmbH & Co
Fraunhoferstraße 17
D-87700 Memmingen
Tel. +49 (0) 83 31 / 930-6
www.buzil.com

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

TANA Chemie GmbH
Ingelheimstraße 1 – 3
D-55120 Mainz
Tel. +49 (0) 61 31 / 9 64-03
www.tana.de

CC-Dr. Schutz GmbH
Postfach 20 03 33
D-53133 Bonn
Tel. +49 (0) 2 28 / 9 53 52-0
www.cc-dr-schutz.de

Johnson Diversey GmbH
& Co. OHG
Mallastraße 50 – 56
D-68219 Mannheim
Tel. +49 (0) 6 21 / 87 57-0
www.diverseylever.com

Wetrok GmbH
Maybachstraße 35
D-51381 Leverkusen
Tel. +49 (0) 2171 / 398-0
www.wetrok.de

DREITURM GmbH
Postfach 11 40
D-36392 Steinau a.d. Straße
Tel. +49 (0) 66 63 / 9 70-0
www.dreiturm.de

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

Dr.Schnell Chemie GmbH
Tausstraße 19
D-80807 München
Tel. +49 (0) 89 / 35 06 08-0
www.dr-schnell.de

A list of cleaning and care products recommended by the respective manufacturers is also available on request from the Technical Support Service of Armstrong DLW GmbH on tel. no: +49 (0) 71 42 / 71 340.

8.2 Machines and equipment

Alfred Kärcher GmbH & Co.
Reinigungssysteme
Alfred-Kärcher-Straße 28 – 40
D-71364 Winnenden
Tel. +49 (0) 71 95 / 14-0
www.kaercher.com

Johnson Diversey GmbH & Co. oHG
Mallastraße 50 – 56
D-68219 Mannheim
Tel. +49 (0) 6 21 / 87 57-0
www.johnsondiversey.com

Columbus REINIGUNGSMASCHINEN
G. Staehle GmbH u. Co.
Postfach 50 09 60
D-70339 Stuttgart
Tel. +49 (0) 7 11 / 9 54 49 50
www.columbus-clean.com

Nilfisk-Advance AG
Siemensstraße 25 / 27
D-25462 Rellingen
Tel. +49 (0) 180 / 5 35 67 97
www.nilfisk-advance.de

Ecolab GmbH
Postfach 13 04 06
D-40554 Düsseldorf
Tel. +49 (0) 2 11 / 98 93-0
www.ecolab.com

8.3 Cleaning discs and dirt trap mats

Kampmann Bau GmbH
Bremer Straße 23
D-49811 Lingen
Tel. +49 (0) 5 91 / 71 08-0
www.kampmann.de

3M Deutschland GmbH
Carl-Schurz-Straße 1
D-41453 Neuss
Tel. +49 (0) 21 31 / 14 21 94
or Tel. 14 31 50
www.3m.com

L.A.R. AG
Weingartenstraße 11
CH-8803 Rüslikon
Tel. 00 41 (0) 1 / 7 72 80 00

Your contact for queries about cleaning at Armstrong DLW GmbH, Stuttgarter Straße 75, D-74321 Bietigheim-Bissingen:

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Earlier issue of this document are hereby superseded