

Cleaning recommendation for market segment „Transportation“

norament[®] floorcoverings

1	2	3	4
Initial cleaning after installation	Initial polishing	Routine cleaning	Intensive intermediate cleaning
<p>Machine cleaning with a single-disc machine and a suitable soft brush or active fibre pad* with a suitable cleaning agent (see cleaning & Care products) is recommended.</p> <p>After allowing for a soaking period of about 10 minutes, clean intensively with the single-disc machine.</p> <p>Important: The cleaning solution must not be allowed to dry.</p> <p>Remove the dirty detergent solution with an aqua-vacuum cleaner, rinse with clean water and also remove it with an aqua-vacuum cleaner.</p>	<p>Wash polish: After letting the floorcovering surface dry, dilute a suitable wash polish (see cleaning & care products) with water and apply evenly with a fine flat mop.</p> <p>Polish the dried wash polish film with a suitable soft brush and suitable single disk machine**.</p>	<p>Manual cleaning: Good cleaning results are achieved by 2-stage mopping (2-mop system + double mobile pale) with suitable micro-fibre covers and suitable cleaning products (see cleaning & care products)</p>	<p>If a dirt film can no longer be removed by routine cleaning, an intensive intermediate cleaning with a single-disc machine should be performed.</p> <p>The selection of the cleaning agent depends on the contamination level and the type of the deposits. Thus, please ask the cleaning agent manufacturers for suitable cleaning agents such as basic cleaning agents, intensive cleaning agents as well as care agents and procedures.</p>

Basic information:

- Please observe the information in the technical and safety data sheets of the cleaning & care products.
- * Suitable active fibre pad: Taski Contact pad or similar pads according the suppliers recommendations.
- ** Suitable single disk cleaning machines with 300 – 800 rpm.

If other kinds of polishing procedures are requested, please contact the nora[®] technical team, phone no. +49 (0)6201/80-5796.

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Cleaning & care products

The cleaning and care agents listed in the table are recommendations of the cleaning agent manufacturers in the German market. Depending on the type of project, it may be appropriate to use products and procedures deviating from the standard. In this case, please observe the cleaning agent manufacturers' recommendations. Please observe the product-specific manufacturer's instructions! Suitable cleaning agents of manufacturers which are not listed can of course also be used according to their recommendations.

Supplier	Initial cleaning after installation	Initial care Wash polish	Routine cleaning with 2-stage mopping
Diversey GmbH D-68219 Mannheim phone +49 (0)621 / 8757 – 0	Taski Jontec best 2 l into 8 l water	Taski combi 800 ml into 8 l water	Taski tensol, 40 ml - 80 ml into 8 l water alternating with Taski 300, 80 ml into 8 l water
Dr. Schnell Chemie GmbH D-80807 München phone +49 (0)89 / 350 608 – 0	TEMPOLINO ULTRA 2 l into 8 l water	FLOOR TOP 800 ml into 8 l water	FLOOR TOP, 40 ml into 8 l water alternating with UNIMAGIC, 40 ml -80 ml into 8 l water
Ecolab Deutschland GmbH D- 40789 Monheim am Rhein phone +49 (0) 2173-599-0	Bendurool maxx 2,5 l into 7,5 l water	Indur maxx 800 ml into 8 l water	Indur maxx, 40 ml -80 ml into 8 l water alternating with Magic maxx, 40 ml into 8 l water
Johannes Kiehl KG 85235 Odelzhausen phone +49 (0)8134 / 9305 – 0	COPEX 2,5 l into 7,5 l water	PROCUR-Konzentrat 200 ml into 8 l water	PROCUR Konzentrat, 25 ml into 8 l water alternating with Veriprop, 25 ml into 8 l water (1 dosage)
Tana-Chemie GmbH 55120 Mainz phone +49 (0)6131 / 964 -03	LINAX plus 2,5 l into 7,5 l water	TAWIP 800 ml into 8 l water	TAWIP, 40 ml – 80 ml into 8 l water alternating with CLEAN extrem, 40 ml – 60 ml into 8 l water
KLEEN Purgatis GmbH 32120 Hiddenhausen phone +49 (0)5223 / 9970-40	Power Strip Neutra 2 l into 8 l water	Severa Sky 400 ml into 8 l water	Premium No 4, 40 ml into 8 l water alternating with Severa Sky, 40 ml into 8 l water

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noraplan® floorcoverings

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Initial cleaning after installation	Initial polishing	Routine cleaning	Intensive intermediate cleaning
<p>Machine cleaning with a single-disc machine with a suitable red pad* and suitable cleaning agent (see cleaning & care products) is recommended.</p> <p>After allowing for a soaking period of about 2-3 minutes, clean intensively with the single-disc machine.</p> <p>Important: The cleaning solution must not be allowed to dry.</p> <p>Remove the dirty detergent solution with an aqua-vacuum cleaner, rinse with clean water and also remove it with an aqua-vacuum cleaner.</p> <p>In case of constricted space conditions a red hand pad with stick handle can be used alternatively.</p>	<p>Wash polish: After letting the floorcovering surface dry, dilute a suitable wash polish (see cleaning & care products) with water and apply evenly with a fine flat mop.</p> <p>Polish the dried wash polish film with a suitable polishing pad and suitable high-speed machine**.</p>	<p>Manual cleaning: Good cleaning results are achieved by 2-stage mopping (2-mop system + double mobile pole) with suitable micro-fibre covers and suitable cleaning products (see cleaning & care products)</p>	<p>If a dirt film can no longer be removed by routine cleaning, an intensive intermediate cleaning with a single-disc machine should be performed.</p> <p>The selection of the cleaning agent depends on the contamination level and the type of the deposits. Thus, please ask the cleaning agent manufacturers for suitable cleaning agents such as basic cleaning agents, intensive cleaning agents as well as care agents and procedures.</p>

Basic information:

- Please observe the information in the technical and safety data sheets of the cleaning & care products.
- * Suitable red pads: 3 M, Vileda, etc.
- ** High-speed machines with 1000 – 1500 rpm.

If other kinds of polishing procedures are requested, please contact the nora® technical team, phone no. +49 (0)6201/80-5796.

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Cleaning & care products

The cleaning and care agents listed in the table are recommendations of the cleaning agent manufacturers in the German market. Depending on the type of project, it may be appropriate to use products and procedures deviating from the standard. In this case, please observe the cleaning agent manufacturers' recommendations. Please observe the product-specific manufacturer's instructions! Suitable cleaning agents of manufacturers which are not listed can of course also be used according to their recommendations.

Supplier	Initial cleaning after installation	Initial care Wash polish	Routine cleaning with 2-stage mopping
Diversey GmbH D-68219 Mannheim phone +49 (0)621 / 8757 – 0	Taski forward 400 ml into 8 l water	Taski combi 800 ml into 8 l water	Taski tensol, 40 ml - 80 ml into 8 l water alternating with Taski 300, 80 ml into 8 l water
Dr. Schnell Chemie GmbH D-80807 München phone +49 (0)89 / 350 608 – 0	SCHIROCCO CLEAN 400 ml into 8 l water	FLOOR TOP 800 ml into 8 l water	FLOOR TOP, 40 ml into 8 l water alternating with UNIMAGIC, 40 ml -80 ml into 8 l water
Ecolab Deutschland GmbH D- 40789 Monheim am Rhein phone +49 (0) 2173-599 - 0	Magic maxx 120 ml into 8 l water	Indur maxx 800 ml into 8 l water	Indur maxx, 40 ml -80 ml into 8 l water alternating with Magic maxx, 40 ml into 8 l water
Johannes Kiehl KG 85235 Odelzhausen phone +49 (0)8134 / 9305 – 0	Torvan-Konzentrat 100 ml into 8 l water	PROCUR-Konzentrat 200 ml into 8 l water	PROCUR Konzentrat, 25 ml into 8 l water alternating with Veriprop, 25 ml into 8 l water (1 dosage)
Tana-Chemie GmbH 55120 Mainz phone +49 (0)6131 / 964 - 03	GR 10 400 ml into 8 l water	TAWIP 800 ml into 8 l water	TAWIP, 40 ml – 80 ml into 8 l water alternating with CLEAN extrem, 40 ml – 60 ml into 8 l water
KLEEN Purgatis GmbH 32120 Hiddenhausen phone +49 (0)5223 / 9970 - 40	Severa Sky 400 ml into 8 l water	Severa Sky 400 ml into 8 l water	Premium No 4, 40 ml into 8 l water alternating with Severa Sky, 40 ml into 8 l water

Stain table – common substances

If the substances listed in the following are removed immediately from the floorcovering, no stains will result. Stains may only develop, if the substances act for a considerable time and have dried.

The treatment of stains may cause the flooring to brighten up within the area involved. The initial polishing operations that follow, using highly concentrated wash polish products, for example, will correct this difference of brightness to a large extent. Depending on the quantity and size of the stains, intensive cleaning work followed by initial polishing operations may be appropriate, so as to obtain a uniform appearance.

Type of stain	Stain remover	Removal
Blood	Diluted basic cleaning agent Blood solvent, e.g. Neodisher MA	Leave basic cleaner solution for 10 to 15 minutes, then clean with a red pad or a soft brush.
Vomit Pus	Diluted basic cleaning agent	Leave basic cleaner solution for 10 to 15 minutes, then clean with a red pad or a soft brush.
Coffee Tee	Dr. Beckmann coffee & tee remover Dismozon pur (Bode Chemie) or Apesin AP 100 (Tana Chemie) nora® special cleaner TAM 25	Scatter the product and spray some water on it. Leave for approx. 1 - 2 hours Leave for approx. 10 min. According to the instructions in the application information sheet. Applied in large areas, an unpleasant smell might occur.
Fruit juices	Dismozon pur (Bode Chemie) or Apesin AP 100 (Tana Chemie) nora® special cleaner TAM 25	Leave for approx. 10 min. According to the instructions in the application information sheet. Applied in large areas, an unpleasant smell might occur.
Deposit of calcium carbonate	Sanitary cleaner based on phosphoric acid or citric acid	Apply the stain remover and leave it for approx. 10 min. Then rub with clean cloth, red pad or soft brush. Applied in large areas, an unpleasant smell might occur.
Contact adhesive	Nail polish remover Thinner	Rub with clean and damp cloth.
Rust	Rust remover Sanitary cleaner based on phosphoric acid	Apply rust remover and leave it for approx. 15 min. Then rub with clean cloth. Applied in large areas an unpleasant smell might occur.
Red wine	Dr. Beckmann ink remover Dismozon pur (Bode Chemie) oder Apesin AP 100 (Tana Chemie)	Leave for approx. 30 to 60 min. Leave for approx. 10 min. According to the instructions in the application information sheet. Applied in large areas, an unpleasant smell might occur.

Type of stain	Stain remover	Removal
Shoe marks Shoe polish Tar	Cleaning fluid (with petrol base) Stain remover spray e.g. "Elatex"	After a brief time to react, rub with clean cloth.
Chewing gum	WD 40	Leave for approx. 10 min. and remove the chewing gum stain with a wooden spatula.
Ink Ball point pen ink Marker Pencil	Pep Ex	Spray on and after a brief time to react remove with a clean cloth
Stamp-pad ink	Dismozon pur (Bode Chemie) or Apesin AP 100 (Tana Chemie)	Leave for approx. 60 min., a blue shade might be left. According to the instructions in the application information sheet. Applied in large areas, an unpleasant smell might occur.
Residues from cigarettes burns	Dismozon pur (Bode Chemie) or Apesin AP 100 (Tana Chemie)	Leave for approx. 30 min., a brown shade might be left. According to the instructions in the application information sheet. Applied in large areas, an unpleasant smell might occur.

Source of supply of special cleaners

The products listed in the table are **recommendations of the manufacturers** on the German market.

Stain remover	Manufacturer	Use
<input type="checkbox"/> Rust remover <input type="checkbox"/> Coffee- & Tee remover <input type="checkbox"/> Ink remover	delta pronatura Hans-Böckler-Str. 5 D-63263 Neu-Isenburg Phone: +49-6103-40450 Fax: +49-6103-4045191 www.deltapronatura.de	Removal of stains caused by: <input type="checkbox"/> Rust <input type="checkbox"/> Coffee- & tee <input type="checkbox"/> Red wine
<input type="checkbox"/> Elatex	CC-Dr. Schutz GmbH Holbeinstraße 17 – D-53175 Bonn Phone: +49 228/95 35 2-0 Fax: +49 228/95 35 2-29 www.dr-schutz.de	Removal of stains caused by: <input type="checkbox"/> Shoe marks <input type="checkbox"/> Shoe polish <input type="checkbox"/> Tar
<input type="checkbox"/> Neodisher MA	Chem. Fabrik Dr. Weigert Mühlenhagen 85 D-20539 Hamburg Phone: +49 40/7 89 60-0 Fax: +49 40/7 89 60-120 www.drweigert.de	<input type="checkbox"/> Removal of blood stains
<input type="checkbox"/> Dismozon pur	BODE CHEMIE HAMBURG Melanchthonstraße 27 22525 Hamburg Phone: +49 /40/ 5 40 06-0 Fax: +49 /40/ 5 40 06-200 www.bode-chemie.de	Removal of stains caused by: <input type="checkbox"/> Red wine <input type="checkbox"/> Ink, ball point pen ink, stamp-pad ink <input type="checkbox"/> Dopamine & iodine products <input type="checkbox"/> Cuasept G, Octenisept G, Skinsept G
<input type="checkbox"/> Apesin AP 100	Tana Chemie GmbH Ingelheimstraße 1-3 D-55120 Mainz Phone: +49/6131/964-03 Fax: +49/6131/964-2990 www.tana.de	Removal of stains caused by: <input type="checkbox"/> Red wine <input type="checkbox"/> Ink, ball point pen ink, stamp-pad ink <input type="checkbox"/> Dopamine & iodine products <input type="checkbox"/> Cuasept G, Octenisept G, Skinsept G
<input type="checkbox"/> RZ stain remover	RZ UZIN UTZ AG Dieselstraße 3 D-89079 Ulm Tel.: +49 (0)731 4097 - 405 Fax: +49 (0)731 4097 -110 www.rz-systeme.de	Removal of stains caused by: <input type="checkbox"/> Coffee & tee
<input type="checkbox"/> WD-40	WD-40 Company Gartenstraße 27 D-61352 Bad Homburg Phone (+49) 6172-677450 Fax (+49) 6172-677499 www.wd40.de	<input type="checkbox"/> Removal of chewing gum

Stain removal agent	Manufacturer	Use
<input type="checkbox"/> Pep Ex	Ecolab Deutschland GmbH Ecolab-Allee 1 D- 40789 Monheim am Rhein Tel. +49-02173-599-0 Fax +49-2173-599-89388 www.rasantec.de	Removal of stains caused by: <input type="checkbox"/> Ink <input type="checkbox"/> Ball point pen ink <input type="checkbox"/> Marker <input type="checkbox"/> Pencil
nora [®] special cleaners: <input type="checkbox"/> SIO2 <input type="checkbox"/> Jodolan <input type="checkbox"/> TAM 25 <input type="checkbox"/> AG 3	nora systems GmbH Höhner Weg 2-4 69465 Weinheim Phone: (+49) 6201 - 80 5666 Fax.: (+49) 6201 - 88 3019 www.nora.de	Removal of stains caused by: <input type="checkbox"/> Eosin G, infusion solutions, Mercurochrome, Methyl violet <input type="checkbox"/> Iodine products, not dyed <input type="checkbox"/> Eosin G, fruit juices <input type="checkbox"/> Silver nitrate, Disulphine Blue, Rivanol

Cleaning machines and equipment

Supplier	Homepage
Alfred Kärcher GmbH & Co. KG	http://www.kaercher.com
Diversey GmbH	http://www.diversey.com
Ecolab Deutschland GmbH	http://www.rasantec.de
HAWIG Maschinenfabrik GmbH	http://www.hawig.de/
KENTER Bodenreinigungsmaschinen Vertriebs- & Service GmbH	http://www.kenter.de/
Nilfisk-Advance AG	http://www.nilfisk.com
Qleeno AB	http://www.qleeno.com/eng/
Vileda GmbH	http://www.vileda.com/
Vileda Professional	