



**INSTALLATION
&
CLEANING AND MAINTENANCE**

INSTRUCTIONS FOR TRANSPORT FLOORING PURPOSES

REVISION PAGE

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BKP.01	01	01.2020	First publication
BKP.01	02	01.2022	Cleaning after pouring and Cleaning and maintenance of R11 material titles are added.
BKP.01	03	05/2023	Logo correction
BKP.01	04	06/2023	Installation instruction and adhesive and welding information is added. Building and vehicle applications are separated.

This instructions document contains the issues to be considered regarding the trouble-free installation and long-lasting use of **EVKop** products. Application and maintenance of the product in accordance with these instructions affect product warranty.

The application of the product is carried out in the following three stages:

- Preparation of the floor
- Installation
- Cleaning and maintenance

Preparation of the floor

Ensure that the floor is properly secured before preparing the floor. In the case of wooden floors, it is recommended that the floorboard should be dehumidified and impregnated against decay and insects. The floorboard and similar substrates should have a moisture content of no more than 8% (equivalent to 40% relative humidity at +20°C) so that future movements do not cause damage. In the case of metal floors, the surface must be cleaned from corrosion, oil, and similar residues that may affect adhesion. It is important that the floor is flat and smooth. In case the application surface is a composite material, we recommend roughening the surface with sandpaper for the adhering of the adhesive.

The application surface must be clean, dry, and free from cracks and dust regardless of the material. Paint marks, oil, grease, adhesive particles, and dust that may interfere with adhesion should be removed from the substrate. Ensure that the material, adhesive, and substrate reach a room temperature of at least 15°C before starting the application. The relative humidity in the air should be between 30-65%.

Inspection of the flooring material

Make sure that the material is supplied in sufficient quantities with the right color and pattern before laying it. If it is planned to use products from multiple rolls in the application area, the production serial number (Production LOT number) of the rolls must be the same and they must be applied consecutively according to their production sequence. Check the "RN" number on the labels: the RN number on the label of the roll to be used must be marked with the next number from the RN number on the label of the previous roll that you have just applied. Check the products before applying; if you observe a defect in the pattern or product integrity, do not apply it and contact your supplier.

The choice of by-products to be used with **EVKop** is very important, and it directly affects the usage performance of the floor covering. Acrylic adhesives, approved contact adhesives, or polyurethane adhesives may be preferred for application. Water-resistant contact adhesives or two-component polyurethane adhesives are recommended for metal floors, areas in intensive contact with water, and areas exposed to extreme temperature changes and operating under very intense loads. Approved contact adhesives are used for upright surfaces.

Prior to the application,

Tools that will be needed during the application,

- Snap-off knife with a flat or curved blade
- Ruler and gauge
- Notched trowels or spraying equipment for applying adhesives and rollers that may be needed after adhesion
- Personal protective equipment.

Flooring material, adhesives, and other accessories must be stored in an area with an ambient temperature of at least 15-27°C and relative humidity of 30-65%, and the rolls should be stored upright.

All rolls and boxes should be stored on a smooth floor. You must notify your supplier immediately of any defects you notice in the product. You should always indicate the color and roll numbers on the label.

When you receive the rolls you ordered, please check the details on the roll labels against the details on the order you have placed/the product you have chosen. In case of a mismatch in the pattern/color and technical specifications of the material, you must inform your supplier immediately. If you open the product packaging, you are deemed to have accepted the product delivered to you.

Unroll the rolls of material on a flat, clean area free from dust and dirt, and allow the material to condition for at least 48 hours at the abovementioned ambient temperatures. You can then determine the required width and length by considering the joints depending on the layout or template size. During dimensioning, ensure that an additional size of at least 50 mm is provided in width and length.

Application of adhesive and installation of the product,

The adhesives to be used must not chemically and mechanically damage the PVC coating material and must be prevented from contacting the product surface. Depending on the types of adhesives, different methods may be required in applications. Always observe the application, health, and safety recommendations of the adhesive supplier.

Contact (Nitrile-Neoprene-Polychloroprene rubber-based) adhesives

These adhesives are solvent-based adhesives; therefore, you should ensure that the working environment is ventilated, and it is applied in a way that prevents deflagration in accordance with occupational safety. This product contains flammable solvents. The working area must be ventilated well; smoking and welding must not be allowed in the area. There must be no naked flame, pilot flame, or fire. Sparks must be avoided.

Avoid prolonged contact with the upper surface of the product, and in case of contact, do not use cleaning materials containing solvents for cleaning.

- Lay the **EVKap** material cut to size on the floor to be applied.
- Fold the laid material back as far as the area where the adhesive will be applied.
- Apply the contact adhesive evenly to the floor and then to the bottom surface of the folded material using a notched trowel or spraying method. It is very important to follow the sealing time recommended in the adhesive supplier's instructions. When this period is completed, check that the adhesive is ready and glue the product.

Acrylic adhesives

Ensure that the material, adhesive, and substrate reach a room temperature of at least 15°C before starting the application. The relative humidity in the air should be between 30-65%. The rolls should be kept inside for at least 24 hours, preferably 48 hours, before starting the application. Lay the **EVKap** material dimensioned according to the application layout on the floor to be applied and fold it back as far as the area where the adhesive will be applied. Apply the adhesive evenly to the floor using a notched trowel for adhesive application. After waiting for the sealing time specified in the adhesive supplier's instructions, cover the **EVKap** material on the adhesive. Rub the surface of the floor covering well using a piece of wood with a rounded edge so that the floor covering firmly contacts with the adhesive and ensure that the air bubble voids (between the floor covering and the floor) are removed completely. Work from the center to the outside so that there are no air bubbles trapped at the bottom. Cross over the product with a roller weighing about 65 kg to ensure final adhesion. Repeat the same procedure to apply the other half of the **EVKap** product laid out on the floor.

Two-component reactive adhesives

Ensure that ambient conditions are provided in accordance with the adhesive supplier's instructions. It is a water-resistant PVAc-based adhesive that meets the requirements of the D3 norm of the DIN EN 204 standard as a single component and the D4 norm when mixed with hardener.

Application examples according to weather conditions and various areas

D3: In indoor spaces with short-term exposure to water or water vapor or humid environments.

D4: In indoor spaces with long-term exposure to water or water vapor or humid environments. In outdoor spaces with appropriate surface protection exposed to weather conditions.

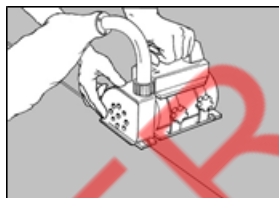
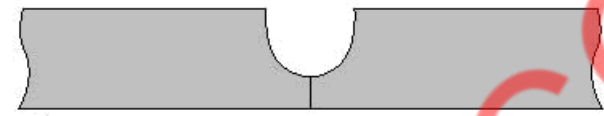
Two-component adhesives dry and stick very quickly after being applied to surfaces. Very short press times can be achieved if heat is applied. The adhered parts can be characterized by high heat resistance. Open time and drying time are directly proportional to operating conditions such as temperature, humidity, the absorbency of the material, and the amount of the material applied.

After dimensioning the **EVKap** product in accordance with the project, lay it on the cleaned floor and carefully fold back the area where you will apply the adhesive. Apply the adhesive to the floor using the notched trowel with recommended size or spraying equipment on the open space where the material is folded. Then lay the material on the adhesive. Cross over the product with a roller to ensure final adhesion. Repeat this procedure for the other half of the material. It is recommended to wait at least 24 hours for the adhesive to fully cure (harden) and then start using it.

Joining and isolating the joints horizontally and vertically using the hot welding rods,

EVKop material has a compact structure suitable for hot welding. Do not perform welding until the adhesive completely adheres (Wait 24-48 hours after application in accordance with the instructions of the adhesive manufacturer.) Use standard NetFinishingProfile welding rod in **EVKop** applications.

When the flooring is ready, a joint with appropriate depth and width should be opened at the joints manually or using an electric joint machine. The joint opened at the joints should have a width of 3 mm and a depth of 2/3 of the thickness of the floor covering. The joints should be completely free of debris.



Automatic Joint Grooving Machine

Set the operating temperature of the hot welding machine to about 300-400°C. Welding can be carried out by using an automatic device or a manual welding set. It is recommended to carry out trial welding to determine the appropriate welding temperature and speed before starting the application, otherwise, discoloration or insufficient bonding (welding strength) may occur along the joint.



Before starting the hot welding process, the hot welding settings (proper temperature, proper speed) should be tested with a test piece.

The excess weld rod is cleaned in two steps after the weld cools down.

First, separate and clean the upper half of the welding rod using a stripping knife. Then complete the final leveling after the welding rod is cooled to room temperature. The excess welding rod parts are removed by cutting only after the welding rod is cooled enough to get its plastic form again.

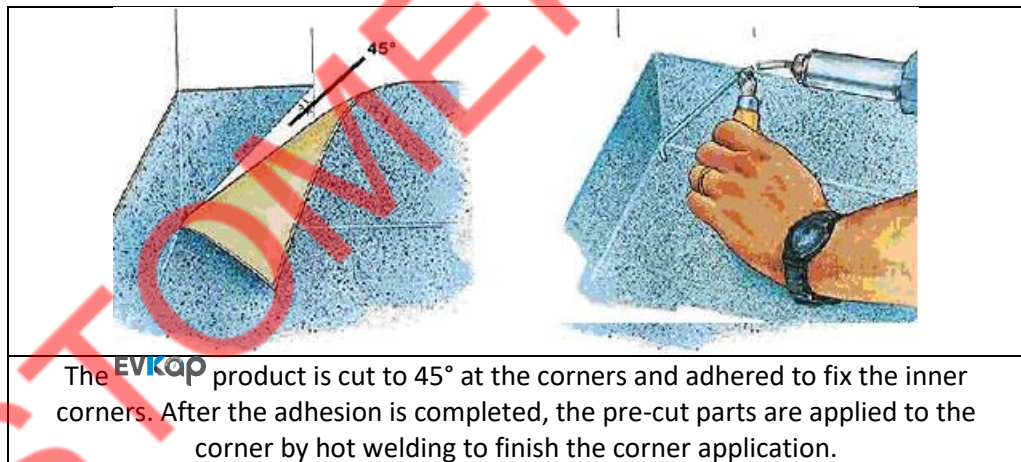


Hot welding for corners

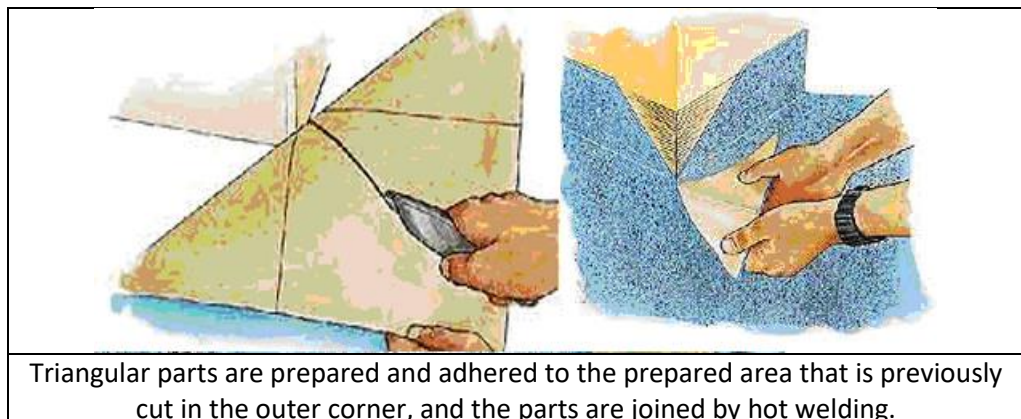
It is recommended to carry out trial welding to determine the appropriate welding temperature and speed before starting the application, otherwise, discoloration or insufficient bonding (welding strength) may occur along the joint.

Welding at inner corners is applied in two ways:

Precision cutting and seam filling or filling vertical joints by pressing pieces of stripped weld rod from the first process into vertical joints with the rounded parts underneath and then heat welding the joints. The excess parts of the welding rod should be trimmed. It is recommended to preheat the joints before welding.



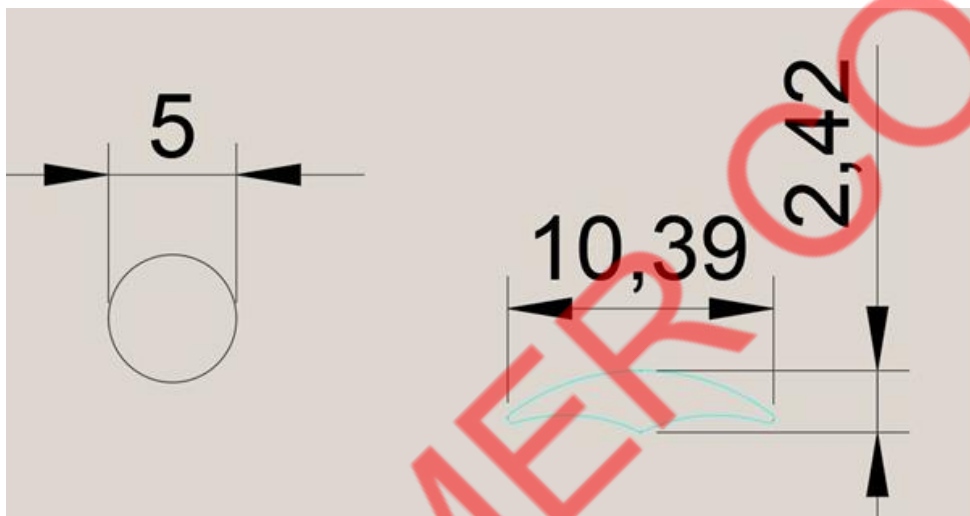
Precision cutting is also important for the outer corners. Corner welding should be conducted by using a welding rod.



Using special welding profiles and mastic

Special welding profiles have been developed to meet the different needs of customers. The usage preferences of these profiles are determined according to technical drawings for the requirements of the application.

Water or UV-resistant mastics are preferred for waterproofing in areas where the floor covering is not continuous, the seat bolt holes, or hot welding is not practical.



In the application of special welding profiles, specially manufactured nozzle equipment with the required dimensions should be used instead of the fusion nozzle apparatus used for the standard welding rod of 5 mm.

INSPECTION

The application must be completed with an inspection. Make sure that your newly applied floor covering is free of adhesive residues and that there are no air bubbles at the bottom of the adhered surface.

EVKap CLEANING AND MAINTENANCE INSTRUCTIONS

REMARKS:

Daily cleaning and periodical general maintenance are critical for long term appearance and performance of **EVKap** products.

Do not use cleaning products that could damage the surface, e.g. abrasive cleaners or organic solvent-based detergents or solvents themselves.

Always follow the detergent manufacturer's, cleaning machine manufacturer's, cleaning machine's apparatus manufacturer's instructions for detergent types and their dosing etc and contact them for additional details when required.

Wipe up any spilt oil, solvent immediately

Do not let asphalts, rubber products (i.e. shoes, wheels, and floor mats) that may contain chemicals make contact with **EVKap** product because they can cause permanent staining and discoloration.

Black rubber wheels and rubber feet can cause discoloration.

Light colors need more frequent cleaning and denser care. Kindly note that lighter colors may show stains and soiling much faster and may require much more maintenance than darker colors under the same conditions.

Improper use of cleaning machines and/or detergents/chemicals and/or improper dosaging of detergents/chemicals and/or chemicals may damage **EVKap** product and/or may cause inefficient use of **EVKap** product.

Always use foot traffic safety signs "Caution: Slippery When Wet" during cleaning and maintenance operations.

During the wet clean, it was ensured that the joints and end points of the floor covering used in the vehicle were watertight.

PREVENTIVE MEASURES

As **EVKap** installation is completed, corrugated cardboard and/or bubbled nylon and/or other protective material must be placed on the installed floor covering in order to prevent physical impacts of assembly processes and chemical impacts of the chemicals that are used during and after assembly. Corrugated cardboard and/or bubbled nylon and/or other protective material shall be removed only after vehicle is totally prepared for customer delivery.

Use a effective dirt barrier system at your entrance.

Use correctly dimensioned entrance matting to remove dirt in the entrance area. Start your cleaning strategy with an effective and correctly dimensioned entrance matting.

Ask for the right size and type of the barrier system to your vehicle supplier.

An initial cleaning shall be held before the use of recently installed **EVKap** products and this cleaning shall be repeated periodically in order to maximize the performance of your floor coverings. This period shall be decided according to the density of traffic and environmental conditions.

EVKap is convenient for surface treatment for better lifetime.

CLEANING AND MAINTENANCE

Initial Cleaning

An initial site clean is always to be recommended before using the new flooring.

Lightly soiled floors: Vacuum, sweep or damp mop the area to remove loose dirt and dust. Use a detergent with low pH, 3-5, to be able to pick up dust from floor. Use mopping to clean, rinse with water and allow the floor to dry.

Densely soiled floors: Use a vacuum cleaner in order to clean loose particles like dirt, sand, soil from the surface. Apply a diluted cleaning solution (fairly strong, pH 13-14, after dilution) onto the flooring and allow to act for 10-15 min. Clean the floor using a scrubbing machine if possible. Vacuum up the soiled water immediately. Rinse with clean water and allow the floor to dry.

Daily Cleaning:

Choose your cleaning strategy according to traffic, soiling and time to be allocated.

Get the dirt off before it gets ground in.

Dry or damp mopping: Damp mopping, it is essential that water does not stay on the floor or leave a film. Remove loose debris, dirt and sand by sweeping and/or using a vacuum cleaner. anionic detergent or non-anionic, tenside based alcohol cleanser (pH 7-10) to achieve quick drying leaving no streaks or dull film. Manually damp-mop the floor. Use the two bucket method for cleaning vinyl floors. Apply a pH-10 detergent and a scrubbing brush to heavily soiled surfaces. Then rise with clean water and wipe dry. The floor should be virtually dry after 15-20 seconds.

Machine cleaning: Clean the floor gently with a combined scrubber-dryer tools for better results. Prefer low to medium speed 165-550 rpm and mostly, red-pads. Apply a pH-10 detergent for cleaning heavily soiled surfaces. Then rinse with clean water and wipe dry or vacuum cleaning.

Periodical Cleaning:

Generally it is expected to perform a basic cleaning once in 1-3 week, depending on the intensity of traffic, soiling

Vacuum, sweep the area to remove loose dirt. Apply a diluted cleaning solution (fairly strong, pH 13-14, after dilution) onto the flooring and allow to act for 10-15 min. Clean the floor using a scrubbing machine if possible. Where machine cleaning is unavailable use warm water to clean and use soft brushes. Vacuum up the soiled water immediately. Rinse with clean water and allow the floor to dry

Cleaning after pouring

Avoid contact of solvent based adhesives to **EVKop** surface. If solvent based adhesive contact takes place, wipe surface immediately with a clean cloth without spreading adhesive to a wider area. Kindly note that solvent may seriously harm **EVKop** in case of contact. As contact with solvent based adhesive takes longer time, **EVKop** surface may be damaged irreparably. We strictly recommend not to use such damaged **EVKop** floor covering on your floors.

Cleaning and maintenance of R10 or above products

Kindly note that deeper textures on **EVKop** are designed to increase contact surface to increase slippery class (to R10 or above) of your floor covering in order to provide higher friction coefficient that will decrease slip effect even on wet surfaces. This deeply textured surface should not be waxed or polished with conventional wax and polishes since otherwise anti slippery effect will decrease. Kindly note that these deeper holes will tend to collect dirt and hold dirt more strongly than standard **EVKop** products with smoother surface. Therefore, R10 and above **EVKop** products require constant daily cleaning in order to stay in good condition. This cleaning strategy will help you to avoid permanent staining, greying, and yellowing effects.

Lightly soiled floors: Vacuum, sweep the area to remove loose dirt. A combined scrubber/dryer with red pads can be used with a speed of 165-330 rpm if possible. Other wise use soft brushes to remove dirt. Apply a neutral detergent and rinse with clean water.

Densely soiled floors: Use a vacuum cleaner in order to clean loose particles like dirt, sand, soil from the surface. Apply a diluted cleaning solution (fairly strong, pH 12-13, after dilution) onto the flooring and allow to act for 10-15 min. Clean the floor using a heavy-duty single disc scrubbing machine (red pad) Vacuum up the soiled water immediately. Rinse with clean water and allow the floor to dry.

Where machine cleaning is unavailable Use warm water to clean R10 or above **EVKop** products. Apply sufficient amount of recommended cleaner with preferably 9-11 pH on the the surface and wait 10-15 minutes before brushing in opposing directions. Use a medium-soft bristled brush. Vacuum up the soiled water and rinse **EVKop** with clean water ad allow it to dry.

Use warm water to clean R10 or above **EVKop** products. Apply sufficient amount of recommended cleaner with preferably 12-13 pH after dilution of 1:5 on the surface and wait 10-15 minutes before brushing in opposing directions. Use a medium-soft bristled brush. Vacuum up the soiled water and rinse **EVKop** with clean water ad allow it to dry.

Cleaning Wet Areas

Kindly note that **EVKap** (R10) is recommended for areas required more slip resistance because of their increased slip resistance due to their surface design and characteristics instead of **EVKap**. **EVKap** (R10) is not convenient for manual cleaning and require machine cleaning only because of its surface roughness. **EVKap** (R10) is not compatible with anionic surfactants as their surface smoothing effect reduce the performance and functionality of the product.

Machine cleaning: Remove loose debris, dirt, sand, and dust by a vacuum cleaner. Machine scrub with a scrubber dryer fitted with a convenient cleaning pad and using

An alkaline detergent (pH 9 to 11) to remove organic soiling

Pick up the slurry with a wet vacuum cleaner, rinse with clean water no less than twice, pick up the rinsing water with a wet vacuum cleaner and leave the surface to dry. If the premises are too small for machine cleaning, use a ridged scrubbing brush to scrub the floor.

When the floor is subject to lime scale deposit, prefer an acidic cleanser (pH 3 to 5) to remove residual lime

Wet vacuum the soiled water, then rinse the surface with clean water and vacuum again if necessary. Always keep a mop set handy in the vehicles exposed to water, so as to pick up all spills or leaks immediately in case of necessity. This will help to prevent lime scale deposit on the vinyl flooring.

GENERAL

Contact Net Floor if unsure about any part of the cleaning and maintenance.

This information is subject to change continuous improvement

EXCLUSION OF LIABILITY

Although Net Floor can recommend a selection of detergents, cleaning devices and apparatus and dirt barrier products for the better performance of **EVKap** products, Net Floor will accept no liability for any of these products failing to perform in conjunction with any of its products including **EVKap**