

FoilWalk and FoilScape

Application Recommendations

Information is based on our knowledge and experience. Not all aspects which should be considered for application will be explained. Specialized and occupational knowledge and competence of a professional sign maker are presupposed. Due to the diversity of influencing factors during application and use, we strongly recommend situational tests of our products by customers who wish to use the material for special applications. No legal binding warranty of certain qualities can be derived from our information.

Basic Information

FoilWalk and **FoilScape** are innovative aluminum-based solutions for outdoor applications such as advertising or temporary markings. Handling **FoilWalk** or **FoilScape** is very easy when the below guidelines are considered.

After printing, the film can be cut into the desired shape with a knife or a cutting plotter. When laying the film on the surface it is not necessary to heat the material (more on this later). The film is bonded to the surface by pressure, not heat. No lamination is required.

Continued rotary movements as well as special mechanical stress on the material can lead to a faster abrasion of the ink, but these have hardly any influence on the material itself.

Printing Method

FoilWalk: UV and latex ink.

FoilScape: Solvent, eco-solvent, UV, and latex ink.

Durability

The durability of **FoilWalk** or **FoilScape** depends on the mechanical use of the surface which it is applied.

FoilWalk: We recommend a maximum use of 3 to 6 months*. The lifetime can be significantly extended with a liquid varnish.

FoilScape: We recommend a maximum use of up to 2 years*, vertical exposure under normal conditions. The lifetime can be significantly extended with a liquid varnish.

***TIP**: These values are guide values and can be significantly longer or shorter depending on the load and longevity of mechanical use.

Handling During Printing

FoilWalk and **FoilScape** are aluminum foil-based products and therefore tend to hold their shape (material memory). Therefore, care should be taken when handling the product prior to printing. Pay special attention to the edges during loading. If edge lift occurs, use a roller to gently flatten out the edges.

Cutting

While **FoilScape** has a smooth surface, **FoilWalk** is equipped with a patented anti-slip surface. The components within the top coating are abrasive, therefore cutting tools can become dull over time. Consider using new, sharp blades and replace them in time if necessary. Due to the inherent nature of the material, blades may dull more quickly than when cutting other types of material.

Where to Apply

FoilWalk and **FoilScape** are designed to be used on outdoor surfaces. The surface does not need to be smooth because **FoilWalk** and **FoilScape** are flexible materials that conform to most uneven surfaces, such as:

- asphalt (rough or smooth);
- stone (untreated);
- concrete, stone slabs etc.;
- and many other surfaces – if you are unsure then please place a small sample in the corner of the test surface or contact us for support.

Waste Handling

FoilWalk and **FoilScape** are designed to be fully recyclable and should be handled as “aluminum waste”.

Installation Guide

Before getting started, please note the surface and environmental conditions! It is ideal to pre-treat the area with a gas burner, especially if the surface was recently wet or washed. This eliminates moisture in case of cold temperature or high humidity. A gas burner should be used for all applications where air temperature is lower than +50°F (+10°C).

Before application, remove loose dirt from the surface with a stiff brush. When the surface is dry, please check the surface temperature with your hand prior to application. If the surface is too hot to touch, wait until the surface has cooled before you start application. Do not apply the film when the surface is still very hot as this will damage the material. Remove a small amount of the release liner from the material for initial positioning purposes.

Place the **FoilWalk** or **FoilScape** in the desired location and start applying the film removed from the protective backing to the floor or wall surface by hand or with a hand roller. Remove the release liner in small sections at a time and continue to apply – don't be tempted to remove all the liner at once!

TIP: For application requiring conformability to a rough or textured surface, work the material into the contours of the surface using a stiff bristle broom or brush. Strike the material aggressively to push the Foil into the textured surface. We've found that this is quickest method to achieve desirable results. Rollers, applicators, rivet devices, etc. do not work. *NOTE: The bristles of the broom or brush must be stiff to be effective.



Roll several times over the whole film with a harder hand roller to activate the adhesive and bond it to the substrate. Always work through this step carefully and slowly. For large ground applications we strongly suggest using a large pressure roller - typically for rent or purchase.

TIP: **FoilWalk** and **FoilScape** adhesive is activated through pressure! To ensure adequate adhesion to the ground, apply roller pressure to all areas and angles of the print/application surface. The edges of the graphic should always be firmly rolled several times to prevent any edge lifting. We also recommend using a rubber mallet on the edges after application. Great care is necessary with this step. The adhesive develops its full strength within approximately 24 to 48 hours, depending on the external conditions. It is therefore recommended to plan the application in such a way that the surface is not subjected to heavy loads during this time.

TIP: Bonding the material by driving over with a car or truck has less than 50% of the necessary contact pressure and is not suitable for applying the film.

FoilWalk and FoilScope Removal

FoilWalk and FoilScope is usually very easy to remove and normally releases from the surface in one piece. We recommend that you peel the film at an angle close to 180°, very slowly. Every surface reacts differently, especially in combination with different climatic conditions. You may find that on certain surfaces adhesive residue may be left on the surface. Please follow these steps to avoid any issues when you want to remove the product:

- ✚ Remove the film from the surface by lifting it up at one edge and then slowly pulling it back.
- ✚ It is often removable in one piece. However, if you find residue on the asphalt, there are different ways to proceed.
- ✚ Gently heat up FoilWalk or FoilScope with the gas flame. In most cases this process helps to reduce the adhesive to the asphalt and transfer it to the film.
- ✚ You can also remove the FoilWalk or FoilScope film from the asphalt and burn any remaining adhesive with gas burner. Please be extremely careful, as excessive heat can damage the asphalt surface.
- ✚ Adhesive removal can be also be carried out with mineral based spirits or most adhesive removers.

Additional Data

- ✚ FoilWalk or FoilScope should be applied within one year from date of purchase.
- ✚ Product should be stored at room temperature. Storage temperature should not exceed +129°F (+54°C)
- ✚ Recommended application temperature: +50°F to +86°F (+10°C to +30°C)
- ✚ Recommended application humidity: Below 80% RH.
- ✚ Adhesive type: High performance pressure-sensitive

Certificates FoilWalk

Slip-resistance: ANSI137.1/A326.3, 67212F, R12

Flame resistance: ASTM E84, M1 / B1

Certificate smoke emission/toxins: F2 / SF3 / E

Durability

Durability depends on correct application, with particular attention to adequate contact pressure, the condition of the application surface, and the amount of traffic to which FoilWalk or FoilScope is exposed.

Cleaning

In regular traffic, FoilWalk and FoilScope can be freed from most loose dirt particles by simply sweeping with a stiff broom. When the surface is visibly dirty, it can be cleaned with a brush with stiff bristles, soap and water. This procedure will remove most of the dirt. Heavily soiled areas may require the use of a general-purpose household cleaner/degreaser and a stiff bristled brush, followed by a final rinse with clean water. Please consider the durability of the ink when choosing the appropriate cleaning method.



Warranty / Liability

The representations of performance and suitability for use contained in this recommendation document are intended as a guide only. As only the user is aware of the specific conditions under which the product is intended to be used, it is the user's responsibility to determine whether the product is suitable for the intended application.