

HOW TO APPLY AIRDAL® Coating

There are 3 types of application:

1. Wet wipes
2. Spray
3. ULV fogging machines

The application type depends on the absorptivity of the surfaces:

- absorbing surfaces spray, ULV fogging machines
- non-absorbing surfaces wet wipes, spray, ULV fogging machines

1 Wet wipes application on non-absorbing surfaces:

1. Clean the surfaces thoroughly.
2. Apply Step 1, the Cleaner & Primer, by wiping the complete surface. Hereby you degrease and prepare the surface for the coating.
3. Immediately after Step 1, polish the surface with a cotton or microfiber cloth until its free from smears and completely dry.
4. Put on protective gloves (EN374).
5. Apply Step 2, the coating, by wiping the complete surface.
6. Polish again the surface with a new and clean cotton or microfiber cloth until its free from smears and completely dry.
7. Allow the coating to dry for 6 hours at room temperature.
8. Enjoy the safety of a self-sanitizing surface.

2A Spray application on non-absorbing surfaces:

1. Clean the surfaces thoroughly.
2. Apply Step 1, the Cleaner & Primer, by spraying the complete surface. Hereby you degrease and prepare the surface for the coating.
3. Immediately after Step 1, polish the surface with a cotton or microfiber cloth until its free from smears and completely dry.
4. Put on protective gloves (EN374). For overhead spraying work we recommend the use of safety goggles and a mask.
5. Apply Step 2, the coating, by spraying the complete surface.
6. Polish again the surface with a new and clean cotton or microfiber cloth until its free from smears and completely dry.
7. Allow the coating to dry for 6 hours at room temperature.
8. Enjoy the safety of a self-sanitizing surface.

2B Spray application on absorbing surfaces:

1. Do not use Step 1 spray for absorbing surfaces like textiles, leather, carpets etc.
2. Put on protective gloves (EN374). For overhead spraying work we recommend the use of safety goggles and a mask.
3. Start directly with the coating, Step 2, and spray the complete surface.
4. For textiles & carpets utilize a foam roller for better distribution on the yarn.
5. Allow the coating to dry for 6 hours at room temperature.
6. Enjoy the safety of a self-sanitizing surface.

3A ULV fogging machine application for non-absorbing surfaces:

Please use 2 fogging machines: 1 for the Cleaner & Primer and 1 for the Coating

Droplets size: 15-30nm

Distance: approx. 2m

1. Clean the surfaces thoroughly.
2. Apply Step 1, the Cleaner & Primer, by spraying the complete surface. Hereby you degrease and prepare the surface for the coating.
3. Immediately after Step 1, polish the surface with a cotton or microfiber cloth until its free from smears and completely dry.
4. Put on protective gloves (EN374). For interior work with insufficient ventilation, put on safety goggles and facemask with filtered air supply.
5. Apply Step 2, the coating, by spraying the complete surface.
6. Immediately after Step 2, polish again the surface with a new and clean cotton or microfiber cloth until its free from smears and completely dry.
7. Allow the coating to dry for 6 hours at room temperature.
8. Enjoy the safety of a self-sanitizing surface.

3B ULV fogging machine application for absorbing surfaces:

Please use 1 fogging machine for the Coating.

Droplets size: 15-30nm

Distance: approx. 2m

1. Do not use Step 1 spray for absorbing surfaces like textiles, leather, carpets etc.
2. Put on protective gloves (EN374). For interior work with insufficient ventilation, put on safety goggles and facemask with fresh air supply.
3. Start directly with the coating, Step 2, and spray the complete surface.
4. For textiles & carpets utilize a foam roller for better distribution on the yarn.
5. Allow the coating to dry for 6 hours at room temperature.
6. Enjoy the safety of a self-sanitizing surface.

Cleaning of the machines - immediately after each use:

1. Read and comply with the cleaning instructions of your fogging machine.
2. Rinse each tank with water.
3. Fill each tank with water and spray it until it is empty to clean the nozzle.

The coating protects up to 12 months and more.

Areas with high wear require a more frequent application.

We do not recommend to dilute the coating as this has a negative effect on the antimicrobial efficacy.

Please have in mind that AIRDAL® Coating is a biocide. Usually it needs to be registered at local authorities - at least in the country where the application is performed.

Acceleration of drying time:

The drying time is needed to dewater the coating and is installed as a safety precaution to prevent non cured coating from getting into the environment.

For industrial applications, where the coated parts need to be processed further or not handed over to the consumer directly, the drying time can be accelerated by heating as follows:

On flat and smooth surfaces: 10min. at 90° C

Textiles/padding: 30-45 sec at 140-160° C

Fogging/immersion: 30 min. at 50°

Please check the heat tolerance of the all parts that need to be dried.

Please note that the now dried parts can be packed but the coated surfaces should not be cleaned nor wiped immediately after the drying process.