

A large, stylized graphic of a hand with fingers spread, rendered in shades of grey and light blue, positioned behind the main title.

HIGH TOUCH

ANTIVIRAL SURFACE PROTECTION

Installation Guide & Warranty

High Touch™ Nanoshield Technology
Antiviral & Antimicrobial Films

1. RECOMMENDATIONS

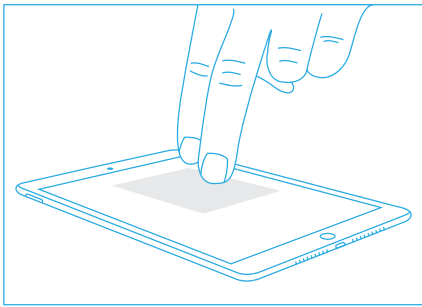
- High Touch™ films are suitable for installation on a wide variety of surfaces such as tabletops, monitor displays, door handles and lift buttons.
- High Touch™ films adhere particularly well on finished metals, glass surfaces, plastics, and PVC.
- High Touch™ films have less adhesion on these substrates: low energy surfaces (polypropylene and polyethylene: containers, bottles, boxes, etc.), grained or textured surfaces, acrylic paints.
- Avoid applying film on unpainted or uncoated natural surfaces.
- For other substrates: Conduct preliminary substrate film adhesion test by applying a sample of High Touch™ film and evaluating how well it adheres or does not adhere

2. STORAGE CONDITIONS

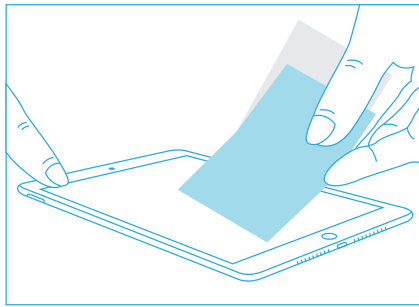
- Avoid direct exposure of the film to high temperatures (direct sunlight, heaters, etc.)
- Film should be kept vertically or horizontally with its core intact in its packaging.
- Opened rolls of film may be placed on their sides with protection.
- Avoid placing the opened film on the ground as this can lead to the dulling and /or scratching of the film.
- Storage temperature should be in the range of 16°C - 26 °C.



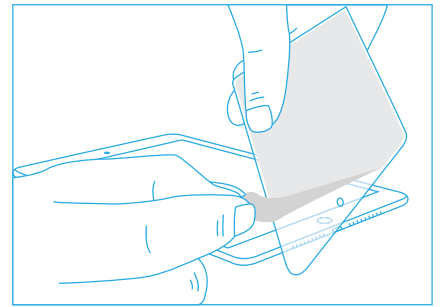
Default installation - Dry apply



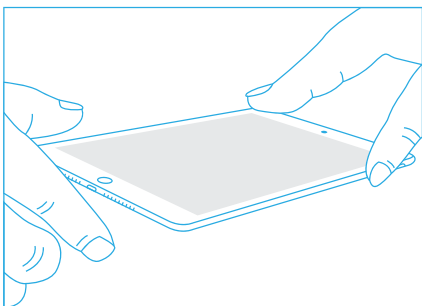
1. Clean the screen surface using the wet wipe.



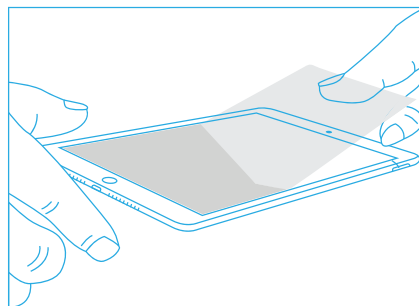
2. If excess dust still appears on screen surface use the Dust Absorber to remove.



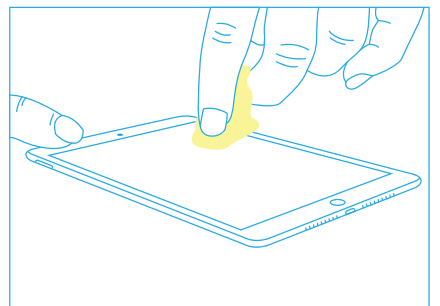
3. Remove the release liner to expose a small corner of the back of the film.



4. Align the screen protector in the appropriate position before allowing the exposed corner to connect with device screen.



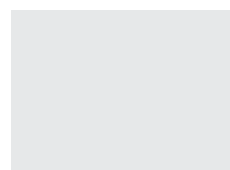
5. Slowly start to remove release liner until the entire film is applied to the screen.



6. Remove any excess air bubbles and finger prints by pressing them out from the centre to the corners of the screen with the Cleaning cloth.



Cleaning Cloth



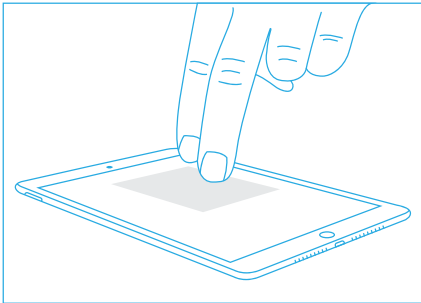
Wet Wipe



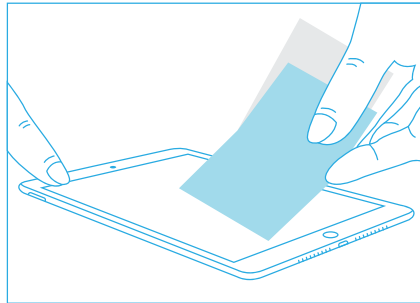
Dust Absorber

Special installation - Wet apply

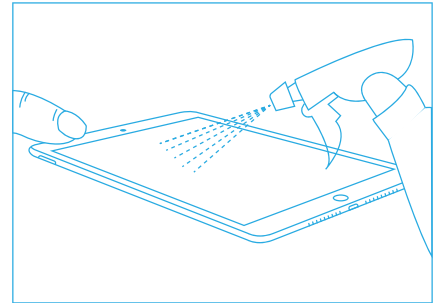
CAUTION: DO NOT USE THE WET APPLY METHOD TO DEVICES THAT ARE NOT WATERPROOF (IP67 RATED OR ABOVE). Please read the specifications of your device carefully to ensure that the wet apply method is suitable. High Touch accepts no liability whatsoever for any damage to devices caused by wet application of High Touch film.



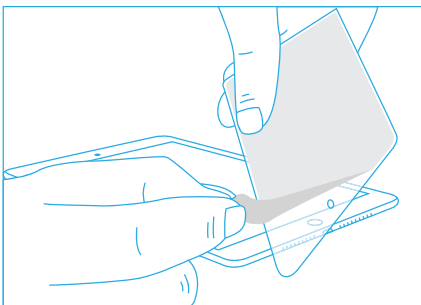
1. Clean the screen surface using the wet wipe.



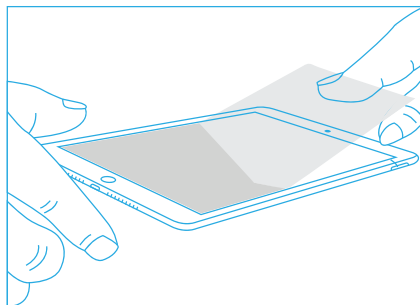
2. If excess dust still appears on screen surface use the Dust Absorber to remove.



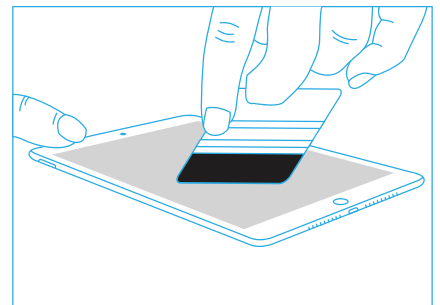
3. Using a spray bottle, spray distilled water sparingly on the device screen. For Verticle devices, apply to top 2/3s.



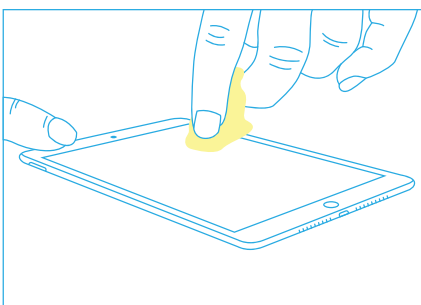
4. Remove full release liner to expose the back of the film.



5. Align the screen protector in the appropriate position before allowing the full film to connect with device screen.



6. Use a felt edge squeegee to displace the water to one edge of the screen, wiping excess water as it appears.



7. Remove any excess water, air bubbles and finger prints by pressing them out from the centre to the corners of the screen with the Cleaning cloth.



3. CLEANING & PREPARATION

The most important part of installing the film is in the preparation of the surface and handling of the film. High Touch™ films can be applied to a wide variety of substrates under the condition that the target surface is clean, smooth, non-porous and without any traces of oil, wax, silicone, grease or other contamination. Always assume the substrate is contaminated and requires cleaning. Some residues or contaminants may not be visible to the naked eye and will affect the adhesion of the film and leave bumps and air bubbles in the film.

Note: Do not forget to conduct a preliminary adhesion test in a small area to check that the substrate is compatible.

Cleaning Products

- Isopropyl Alcohol
- Clay bar (alternative cleaner)
- Microfiber towel

Surface Preparation Procedure

The ultimate goal is to get the surface as clean and as dust-free as possible. Clean surfaces will allow the film to achieve its best potential in sticking to the surface.

- Prior to applying the High Touch self adhesive products clean the surface thoroughly with isopropanol and wipe it dry with a cloth. Bubbles may form between the film and the surface if any solvent residue remains as a result of improper cleaning.
- Isopropyl alcohol is recommended as the cleaning agent as other agents may, under certain circumstances, attack the lacquer or reduce the adhesive strength of the film.
- Newly painted surfaces or spray-painted surfaces must be dried and hard for 7 to 10 days. Air-dried paints need to be dried for a minimum of 1 month before applying the film.
- Ensure your hands and fingers are free of any oil and grease by cleaning them with an alcohol wipe. Failure to do so will lead to a high probability of the film peeling from the surface. Consider using gloves when handling the film.

4. INSTALLATION

- The application of the film to large surface areas is best performed by two people and overall wrapping times can be drastically reduced.
- High Touch™ films must be dry applied. However, the installer may use a wetting solution on top of the film layer to provide some slip resistance for the squeegee.
- The recommended minimum working temperatures is 10°C (50°F).

Installation Tools

- Squeegees with felt tip edge
- Penknife
- Tape Measure
- Cutting Board
- Temperature controlled Heat gun
- Spray Bottle with distilled water



Installation placement steps

Dry adhesion

- Remove a small section of the release liner exposing the adhesive.
- Position the film and press it at one corner on the surface.
- Then adhere the remainder by applying a plastic squeegee across the film in overlapping sweeps.
- Depending on the size of the cut being mounted, the paper liner may be removed completely before bonding or gradually during the adhering procedure.
- Large surface areas are best performed by two people.

Wet adhesion

- Should only be done in warm weather when temperatures are at least +18° C.
- Remove a medium to large section of the release liner exposing the adhesive.
- Spray the exposed adhesive side with distilled water and lay it upon the receiving surface.
- Position the film and press it at one corner on the surface
- The ease of precise positioning is the great advantage of the wet adhesion method. Press the film to the surface using sweeping, overlapping motions. Make sure that the water is completely squeezed out from between the surface and the adhesive.

Surface Types & Heating

For compound curves and complex multi curves, special techniques must be used.

For Concave Surfaces – Recesses:

- Remove all of the release liner
- Position the film over the substrate so that the film touches the peaks of the surface only.
- Apply the film with a felt-covered squeegee.
- Heat the film with a heat gun for 5-7 seconds (60° C maximum).
- If necessary, lift the film up and reapply the film.
- With a finger press into the hollow area to apply the film's adhesive.

For Convex Surfaces – Compound Curves:

- Remove the release liner
- Apply the film over the entire surface area with the help of a felt-covered squeegee, use overlapping strokes over the entire convex area to eliminate any tension.

For Riveted Surfaces:

- When you encounter a rivet, the film will become stretched
- With a squeegee go all around the rivet and poke the rivet 1-2 times with a needle/air bubble tool (do not use a utility knife) to help release any trapped air.



Finishing

Edges: Avoid cutting or finishing the film flush to edges, where possible, the film should be wrapped around the edges by about 6mm (¼") to minimize the exposed edges of the film.

Finishing

Overlaps: With overlapping film adhesion, it is important to make sure that the edges of the film sheets overlap by a minimum of 4 mm and a maximum of 12 mm.

5. AFTERCARE & CLEANING

Once the surface is wrapped, it will need to be kept in a heated environment (room temperature) for 24 hours after application. Any physical aggression (cleaning, abrasion, etc.) must be avoided by all means during that time.

Recommended

- Washing by hand with a blend of pH neutral detergent and water is the recommended cleaning option.
- Water temperatures should be between 20°C (67°F) to 25°C (77°F).
- Exposing the film to direct sunlight and strong UV rays for prolonged periods of time may lead to peeling from the substrate.
- Always carry out a test on a small area before you clean the total surface area of a surface wrap.

Refrain

- Do not hose down the surface for 1 day to allow the film adhesion to fully cure.
- Do not clean the film with solvent-based cleaners or corrosive detergents.
- Do not use hydrogen peroxide based cleaners
- Do not use soaps containing wax or protectants.
- Do not use a paper towel or nylon scourer to clean the film.
- Clean all spills as soon as possible.
- Do not use a pressure washer.

Washing & Cleaning Procedure

Supplies:

- Bucket
- pH neutral detergent or 70% ethanol cleaning solution
- Soft cotton or microfiber cloth

Hand washing steps:

- Mix water with a mild detergent or cleaning solution into a clean and containment free bucket.
- Soak cotton or microfiber cloth with soap and water mixture. Gently clean the surface in a wiping motion.
- Use a dry microfiber cloth to dry the film.



6. REMOVAL

- Environment and surface temperature must be at least +20° C before these films can be removed. Using a knife, first lift up cautiously one corner of the film. Then slowly draw the film from the surface at a 180° angle. Heating the film with a hot-air gun while pulling makes removal considerably easier. If the film being removed is very old, a small amount of residue from the adhesive may remain on the surface. It can be removed easily with an adhesive remover.

7. WARRANTY

- The Supplier warrants that if it is not scratched, worn out or burnt, the antimicrobial qualities of the film will last up to 1 year. The durability of the film will depend on the traffic frequency of the particular surface. A film applied in areas of frequent handling (e.g.: handles) or high visitor frequency will be subject to repeated abrasion which will reduce its durability (change of appearance, lifting, etc.). It is suggested to replace films upon fair wear and tear. Please refer to the warranty information in the warranty and installation guide.
- Customers must inform High Touch in writing within 14 days of delivery of goods of any claim of non-conformity of the products. If the Customer fails to do so, they will be deemed to have accepted the goods and/or service.
- If non-conformity or defect is proved to the reasonable satisfaction of High Touch, at High Touch's option, the products shall be replaced at High Touch's costs, or High Touch at its sole option may reimburse the Customer in full or in part for the products in relation to the extent of such non-conformity in lieu of such replacement or correction.

High Touch™ warranty limitations:

- It is the sole responsibility of the customer to determine the suitability of the High Touch product with the intended application, it is their duty to measure the risks and assess the constraints, by, if necessary, carrying out preliminary tests.
- The warranty is invalidated and any complaints and any claims for compensation, in respect of the High Touch™ product or in respect of possible damages that might have been caused to the substrate to which the High Touch™ product has been applied or its recovery will not be admissible if the product is not stored and installed in accordance with the Installation Guide and Warranty.
- High Touch will not be held liable for any personal injuries or material damages that might be the direct or indirect consequence of a poor adaptation/application of the product or its use.
- No claim will be taken into account regarding the manufacturing or packaging defects, apparent before product implementation, if the defective product has been used by the customer.
- Due to the great variability of installation tools, application methods and installer experience, High Touch does not guarantee the end appearance of the finished application.

In the context of this Warranty, High Touch™ makes no warranty for the following parameters:

- Damage of the Antimicrobial surface coating by foreign objects (sharp objects, keys, fingernails, etc.).
- Application failures and defects.
- Damage to the film caused by cutting by the customer.
- Adhesion is suitable for every surface, particularly due to wear and tear. The adhesion values stated in the Technical Data Sheets are provided for information purposes only.
- Abuse of product.



- The successful installation or removal of the product.
- Damage to surfaces with poor paint-to-substrate adhesion.
- Damage to wallboard (painted or unpainted).
- Damage to pre-existing graphics that must remain intact when the film is removed.
- Improperly cured paint (surface paint staining that may be visible after removing material which has cracked or discolored).
- Paint/clearcoat staining/ Oxidized or chalked substrates (Removal from aged paint or metals, surface oxidation or chalking).

NOTES:

- A slight and gradual change in colour and gloss is an unavoidable and a natural phenomenon inherent to the natural breakdown of the materials.
- All the published information is based on measurements regularly performed in the laboratory. It does not, however, constitute a binding guarantee. The seller cannot be held liable for indirect related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice.



HIGH TOUCH

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