

Sign-Ad® Installation & Removal Guidelines

Our Sign-Ad® products are specifically design for window and glass applications. The following are step-by-step guidelines that will take you through a successful, trouble-free installation and removal.

Before getting started - Some general graphics considerations

Graphics should have a minimum of 1/8" clearance around any window frame to allow for any differential in thermal expansion and avoid any excess heat that may be conducted by the frame itself during summer time exposure.

In addition, if larger graphics will see high sun exposure, you need to consider the impact on differential heat absorption from color contrasts that can cause excessive thermal stress on the glass. It is recommended that graphics with mostly dark, heat absorbing colors limit the size on the window up to 75% or less. Also avoid large areas of light/dark adjoining contrasting colors as these can also create thermal stress resulting in glass breakage.

Please work with your graphic designer to ensure these considerations above are factored in to the final product.

Easy to apply and remove from these surfaces:



Tools You Will Need

- Degreaser or solvent type cleaner, such as mineral spirits, heptane, V.M. & P naphtha or lacquer thinner to remove any grease, wax or oily substances
- Soap solution for cleaning glass of dirt and debris; avoid cleaners that can level chemical residue.
- Isopropyl alcohol (rubbing alcohol)
- Lint-free clothes
- Graphics squeegee
- Pin or needle
- For large graphics (greater than 12" x 12"), use wetting solution: spray bottle with water and a couple of drops of liquid soap
- Optional: Masking tape and tape measure for positioning graphics



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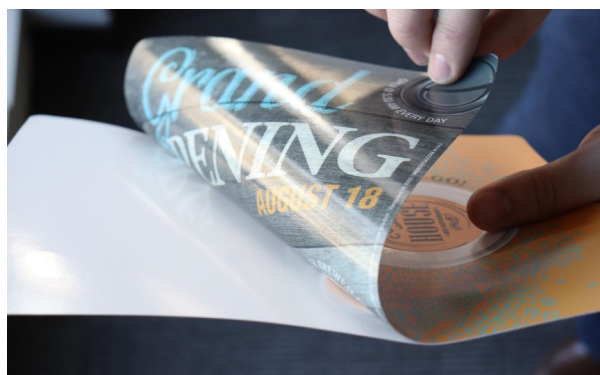
Surface Preparation

Before starting, ensure surface temperature is at least 40°F or above. While hot surfaces are not a problem, the wet method is recommended to avoid premature bonding and the chance of distorting the graphic during installation.

For proper adhesion, the surface must be free of dirt, grease, oils and other debris that may interfere with the quality of the installation.

Note: If your window has a protective film (such as UV screen), please check the compatibility of cleaning agents before proceeding.

- If necessary, remove any grease, wax and oily substances using solvent-based cleaner/degreaser.
- Use soap/water solution to remove dirt and debris. Avoid any glass cleaners that will leave any residue as this may impact adhesion.
- Rinse with clean water to remove any traces of soap and then dry window with lint-free cloth.
- Final step, to ensure all residual chemicals have been removed, wipe down window with 50/50 isopropyl alcohol/water blend with lint free cloth.
- Ensure your surface is at least 40° F prior to installation.



Sign-Ad® Opaque received a coveted PRINTING United Alliance 2020 Product of the Year Award in the Media-Film category. This 100% opaque 6 mil bright gloss white vinyl facestock with a 90# paper liner and moderate-tack white removable adhesive. By using Sign-Ad® Opaque, printers are no longer restricted to only using UV technology to create two-way window signage. Printers can laminate a clear Nekoosa Sign-Ad® or Nekoosa Hi-Stat® product to easily create 'push-pull' two way signage with latex, solvent or eco-solvent technologies.

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Application Method

Option 1: Dry Method, intended for small graphics.

1. Clean surface as detailed above
2. If the graphics release with difficulty from the release liner, rub the back of the liner against a sharp edge of your workbench. This step helps break the bond between the graphic and release liner.
3. Mark the desired decal location, leaving at least 1/8" space between graphics and any window frames. You can do this by placing the graphic on the window and taping it on the sides to hold in place, measure and adjust accordingly. Once in position, tape top of graphics across the top and remove the other pieces of tape.
4. Keeping fingers away from the adhesive, peel backing paper approximately 1" from the top of the decal. Fold down and crease the backing paper. Squeegee in position from center to edges.
5. Remove the backing paper a little bit at a time, and squeegee as you go, using firm, overlapping strokes, starting at the center working towards the edges. Continue until liner is completely removed. Remove tape from top, if used, and squeegee area.
6. If application tape is being used, remove it by peeling at 180° against itself. Re-squeegee entire graphic.
7. If any air bubbles occur, puncture with a pin or needle and smooth down with squeegee from the center towards the edges. This step is essential to prevent edge lifting.
8. If water bubbles are not removed completely, the adhesive will absorb the water and it will create white spots. If this occurs, remove excess water using a pin or needle and squeegee smooth. White spots should disappear within 2 to 3 days. Do not try to speed up drying process with heat.
9. Gently wipe down graphics area with lint-free cloth.
10. Ultimate adhesion values will occur within 24 to 48 hours after application. Do not clean or disturb graphics during this time period.

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Option 2: Wet Method, for larger graphics or intricately die cut shapes. Additionally, this method is useful in hot weather because it minimizes the chance of the decal tearing/distorting and pre-adhesion.

Note: Wet applications may result in blushing of the adhesive (turning a slight milky or haze appearance). This is normal and should clear in 24 – 48 hours after installation, depending on conditions.

1. Clean surface as detailed above
2. If the graphics release with difficulty from the release liner, rub the back of the liner against a sharp edge of your workbench. This step helps break the bond between the graphic and release liner.
3. Mark the desired graphics location as shown in under dry method, step 3.
4. Using wetting solution, lightly spray glass surface to be covered by graphics. Use the least amount of fluid to accomplish the application process. Do not spray adhesive side of graphics directly.
5. Remove the backing paper a little bit at a time, and squeegee as you go, using firm, overlapping strokes, starting at the center working towards the edges. Continue until liner is completely removed. Remove tape from top, if used, and squeegee area.
6. If application tape is being used, remove it by peeling at 180° against itself.
7. Dry the entire area with clean lint-free cloth and re-squeegee the graphic with firm strokes, working away been removed, wipe down window with 50/50 isopropyl alcohol/water blend with lint free cloth.
8. If air or water bubbles occur, puncture with a pin or needle and smooth down with squeegee.
9. If water bubbles are not removed completely, the adhesive will absorb the water and it will create white spots. If this occurs, remove excess water using a pin or needle and squeegee smooth. White spots should disappear within 2 to 3 days. Do not try to speed up drying process with heat.
10. Final step, to ensure all residual chemicals have been removed, wipe down window with 50/50 isopropyl alcohol/water blend with lint free cloth. Gently wipe down graphics area with lint-free cloth.



Final step, to ensure all residual chemicals have been removed, wipe down window with 50/50 isopropyl alcohol/water blend with lint free cloth. Ultimate adhesion values will occur within 24 to 48 hours after application. Do not clean or disturb graphics during this time period.

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Removal of Sign-Ad®

Remove the Sign Ad® graphics lifting one edge with a sharp knife or razor blade and peeling back at a sharp angle.

Use consistent, smooth force to continue to peel off the graphics. For larger graphics, the edge can be slit and allowed to tear, so that the graphics can be removed in sections.

If any residual adhesive that does stick to surface, use isopropyl alcohol to remove.

Disclaimer

This information is provided as guidance in the proper installation of our Sign-Ad® graphics. It is always recommended that the customer test specific application prior to installing actual job. Nekoosa can not be held liable for the miss-installation resulting in premature adhesion failure or glass breakage due to thermal stresses.



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