



AN EASY-TO-APPLY, AESTHETICALLY PLEASING SOLUTION FOR ACRYLIC GLASS.

BACKGROUND

An architectural railing company contacted PGC to develop a solution to a challenge its installation teams were having in the field. The company designed and installed large-scale acrylic glass railings in stadiums and office buildings. Their striking designs relied on components that did not disrupt the clean, clear lines of the acrylic glass. Any adhesive or fastener also had to be very durable and easy for the crew to install.

At first, the company approached PGC to develop an acrylic glass donut that would be used as a spacer. They also needed a glue that would be easy to apply in the field. But after our rigorous discovery process, we realized we could provide a better solution.

CHALLENGE

Before arriving at our solution, the PGC engineers tested glue for the donut. As crews had reported, the glue was very difficult to apply well in the field, especially with gloved hands. Additionally, the current donut often required shimming to achieve a snug fit. This was an unnecessary step.

3M™ VHB™ Tape & Acrylic Glass Railings

INDUSTRY:
Construction

APPLICATION:
Acrylic Glass Donut

PRODUCT:
3M™ VHB™ Tape

SOLUTION

The PGC engineers discovered 3M™ VHB™ adhesive tape was the optimal solution for the railing company. It was a better adhesive than the glue and did not make a mess. It also enabled us to solve the installation issue. Instead of cutting the tape and its liner flush with the donut, PGC kiss-cut the tape and liner, leaving a little tab crews could rip off while wearing gloves. We also solved the shimming issue by creating a thicker donut.

RESULT

PGC's VHB™ solution eliminated the messy glue, made the donuts easier to install, and streamlined the installation process by eliminating the need to shim the donuts. The prototypes worked so well in field testing that the railing company has reordered the donuts to use on other projects.

If you would like more technical information on this case study, or have questions you'd like to discuss with one of our engineers, contact us at: sales@pgc-solutions.com or call **(952) 942-6711**.



HEADQUARTERS

5732 Lincoln Drive
Edina, MN 55436
(952) 942-6711

pgc-solutions.com
info@pgc-solutions.com

3M and VHB are trademarks of 3M Company.
© 2019 PGC. All rights reserved.