

## Phenolic Lab Surface and Splash Installation

There are two common methods for attaching phenolic surfaces and back or side splashes, mechanical fastening with screws or using adhesives. The best method depends on the project requirements and the finished appearance you would like to achieve. The following addresses commonly used adhesives.

- **For Surface Installation and Attaching Splashes to a Wall**

This method requires a general-purpose silicone adhesive, such as **Dow Corning 786** or **GE Advanced Silicone**, in either clear or a matching color.

1. Follow the adhesive manufacturer's instructions for surface preparation, application, curing, and safety.
2. Apply a continuous zigzag bead of adhesive to the back side of the splash that will contact the wall.
3. Apply a bead of adhesive along the edge of the lab surface where the splash will be installed.
4. If needed, apply additional adhesive in corner areas, such as where a side splash meets a back splash. (Back splashes should be installed before side splashes.)
5. Carefully position the splash and press and hold it firmly into place to ensure good adhesion.
6. After the splashes are secured, apply a bead of silicone along the bottom seam where splashes meet surfaces and any corners, preventing liquids from penetrating beneath the splash.
7. Smooth the silicone bead using a caulk finishing tool or a gloved finger dampened with water.
8. Remove any excess silicone before it cures to create a clean, professional-looking seam.



- **For Attaching Splashes to the Surfaces Only**

This method requires a high-strength silicone adhesive, such as **Dow Corning 995** or **GE Supreme Silicone**, in clear or a matching color.

1. Follow the general installation sequence listed above but only apply adhesive to the edge of the splash that contacts the surface.
2. Press into place and securely clamp together until adhesive is cured.



## Epoxy Lab Surface and Splash Installation and Seaming

Epoxy lab surfaces and splashes are very hard and best suited for installation using the same methods and adhesives described for Phenolic above. Alternatively, for harsh chemical or acid environments, where a permanent bond and excellent chemical resistance are required, a two-part epoxy adhesive may be used. The same epoxy adhesive may also be used as a seam filler to fill gaps between adjacent lab surfaces, creating a continuous surface over the supporting casework. Epoxy seam fillers are best suited for rigid, fully supported installations avoiding cantilevered surfaces that may flex. Consider anticipated movement, loading conditions, and thermal expansion when selecting a seam-filling material.

1. **Smooth-On PC-3** is a two-part epoxy resin that must be mixed and applied during installation. It cures quickly and has limited working time before it hardens.
2. The product may be used both as an adhesive for attaching surfaces and splashes as well as filling and sealing gaps between lab surfaces and in corners.
3. Follow the manufacturer's instructions for surface preparation, mixing, application, curing, and safety. Remove excess epoxy and clean surfaces before it cures.
4. For a typical application demonstration, refer to the manufacturer's instructional video:

<https://www.yout-ube.com/watch?v=WTuMTUzrYfc&t=12s>



*Project conditions and performance requirements vary from one installation to another. Symbiote does not warrant or guarantee the performance of any specific adhesive product, brand, type, or formulation. The selection of an adhesive suitable for the intended application and service environment is the responsibility of the General Contractor, Installer, or other responsible project professional. Sample installations, mockups, and compatibility testing are recommended before final adhesive selection and installation.*

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