



Instructions for PVC-E Glue

Below you will find some uses for PVC-E glue and instructions on how to complete the task. We will also go through storage instructions and other important information.

Storage

PVC-E glue should be kept dry, clean, and properly ventilated at room temperatures of 15° to 25°C (59°-77°F) or up to 30°C (86°F), depending on the weather. Do not let it freeze. Freezing will ruin the glue and cause it to be unusable.

Properties

PVC-E glue is the industry standard for piano keys. It is a little rubbery when dry, which helps to prevent noise in some conditions. Because of the rubbery nature of the glue and the slightly thicker glue line, it serves as a shield between two adherents that may have different thermal or EMC expansion characteristics, allowing the glue joint to endure where a more rigid glue would fail.

While PVC-E appears to be similar to other wood glues, it is not. You cannot substitute a wood glue for PVC-E glue.

You can dilute PVC-E glue with up to five percent water if needed. It is water soluble and will dissolve in water.

A minimum of 24 hours is required for curing.

How to Open Bottle

Using a utility knife, cut off a small amount of the tip to ensure that the hole does not become too large.

Use for Replacing Keytops

The first step in replacing piano keytops is to remove the old keytop. This can be done with a sharp knife. The ease of scraping the key off with very from key to key, but it should be fairly easy.

Instructions for PVC-E Glue

If you find an old key front left under the removed keytop, remove with a knife or chisel. Smooth your key by using a sanding block on the front and top. This will remove all the old glue. The key needs to be flat and smooth for the new keytop.

The next step is to ensure that your keytop fits your key. Overhang on the inside notch (where the sharp will sit) is acceptable and even preferable. You want to have some overhang as this will allow you to file the keytop later and have a perfect fit.

Now your key and keytop are ready to be glued together. Place a thin line of glue along the top of the keytop with a thicker bead on the head. Spread the glue around with your finger and spread onto the front. You don't want to use too much glue, however, as this will cause the glue to ooze out the sides. Ensure the glue covers the entirety of the key top and front.

When you place your keytop on the glue, make sure to put pressure on the front so that it is firmly attached, and then the whole key. Wipe off any glue that did ooze. You will have plenty of time to position the keytop once you set it on the key since PVC-E glue takes a full 24 hours to cure. After it is cured, preferably overnight, you can file the keytop down.

Watch this video for more details on replacing keytops:
<https://youtu.be/CSt-f6B0z6w?si=JFoK97YC6-4S-n9j>



Use for Replacing Felts

If you are replacing any type of felt on a piano, PVC-E glue is very easy to use. Since there are many different types of felts you could be replacing, we won't go through all the details of the replacement process.

We offer many videos on replacing various felts on our website here:
<https://www.howardpianoindustries.com/piano-repair-videos/>



After you have properly removed any old felt, simply squeeze a thin bead of glue onto the surface, spread with your finger, and add new felt.