

UPD Plastics inc
www.updplastics.com

How to Drill, Cut and Polish an Acrylic Windshield

Drilling- Click on the link below for a quick illustration on how to prepare your regular High Speed Steel drill bit to drill holes in your windshield without cracking. It's important to not drill too fast or exert too much downward pressure while drilling. Let up on the pressure as you feel the drill bit exiting out the back side. You may also want to put a piece of wood behind the hole to prevent any possible splinters out the back side.

Drilling acrylic without cracking

<https://youtu.be/4mKktUQXAaM>

Cutting- Click on the link below for a quick illustration on how to cut Plexiglas. If you do not find a Plexiglas jig saw blade, you can use a steel cutting blade that has 14-20 teeth per inch.

Cutting PLEXIGLAS® with a Jig Saw.

<https://youtu.be/yWahKw51Poo>

Polishing- Click on the link below for a quick illustration on how to polish your acrylic windshield. Use 120 or 220 grit sandpaper at first to remove saw cuts. Next use 400-600 grit for a fine finish. After this you can buy a buffing kit that has an arbor for a drill, buffing wheel and compound for polishing. These can be found at a hardware store, Home Depot, or Harbor freight. For roughing out more material, use a handheld belt sander with 120 grit paper.

Sanding and Edge Polishing of PLEXIGLAS®

https://youtu.be/h-2TxYN_OFo