



# HOW TO USE CHAMPION FIBERGLASS® ADHESIVE

Learn how to join fiberglass conduit to fiberglass as well as PVC 40 and 80 conduit.

Champion Fiberglass® adhesive includes an adhesive tube and a static mixer tip. Adhesive is supplied without the adhesive application gun which may be purchased separately.



To use the adhesive, first prepare the conduit. Cut the end of the conduit with a diamond tip chop saw blade or portaband saw.

1



Next, using 60 grit Emery cloth, sand the inside of the coupling and outside of the conduit to the depth of the coupling. The conduit should be sanded so that the sheen is removed from the conduit.

2



Use a rag to clean any loose materials, oil and dirt from the conduit area to be glued.

3



To apply the adhesive insert the cartridge into the adhesive gun. Next place the static mixer onto the cartridge. Prime the cartridge by pumping the adhesive gun to fill the mixer.

4



Apply the adhesive to the surface of the conduit in a zigzag pattern. Then twist the coupling onto the prepared conduit.

5



Smooth any excess adhesive with a spatula or glove finger. After a few minutes it will gel and will be fully cured several minutes after that.

6



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# CHAMPION FIBERGLASS® ADHESIVE

## GEL AND CURING TIMES

The Champion Mix system is a two-part adhesive (1-to-1 mix ratio), epoxy resin system, designed to permanently bond fittings and joints of fiberglass reinforced epoxy conduit. It is also designed for use with pultruded polyester and vinyl ester components. Each cartridge system contains resin, hardener and one plastic static mixer. An adhesive gun is required for applying the adhesive (ordered separately). Under normal conditions, it takes approximately 45 minutes for the CM-2040 and CM-2070 adhesives to harden at their rated temperatures. If a faster setting adhesive is desired, there are Champion Mix adhesives available that gel much faster. The “Fast Gel” adhesives can be specified by adding the suffixes, “-FG” or “-SFG” to the item numbers. Because the “Fast Gel” and “Super-Fast Gel” adhesives set up quicker, additional mixing tubes may be required.

The epoxy adhesive is also available in three convenient dispensing tube sizes: 50 ML, 150 ML and 300 ML.



For further information, use your smart phone's camera or QR code scanner to learn more about **Champion Mix** adhesives.



For further information, use your smart phone's camera or QR code scanner to learn more about **Champion's Epoxy Adhesive Calculator**.

	ITEM NO	SIZE	TEMPERATURE RANGE	APPROXIMATE CURING TIME
<input type="checkbox"/>	CM-570	50 ML	70°F (21°C) and above	30–45 minutes
<input type="checkbox"/>	CM-570-FG	50 ML	70°F (21°C) and above	20–30 minutes
<input type="checkbox"/>	CM-570-SFG	50 ML	70°F (21°C) and above	3–7 minutes
<input type="checkbox"/>	CM-540	50 ML	40°–70°F (4°C–21°C)	30–45 minutes
<input type="checkbox"/>	CM-540-FG	50 ML	40°–70°F (4°C–21°C)	20–30 minutes
<input type="checkbox"/>	CM-540-SFG	50 ML	40°–70°F (4°C–21°C)	3–7 minutes
<input type="checkbox"/>	CM-1070	150 ML	70°F (21°C) and above	30–45 minutes
<input type="checkbox"/>	CM-1070-FG	150 ML	70°F (21°C) and above	20–30 minutes
<input type="checkbox"/>	CM-1070-SFG	150 ML	70°F (21°C) and above	3–7 minutes
<input type="checkbox"/>	CM-1040	150 ML	40°–70°F (4°C–21°C)	30–45 minutes
<input type="checkbox"/>	CM-1040-FG	150 ML	40°–70°F (4°C–21°C)	20–30 minutes
<input type="checkbox"/>	CM-1040-SFG	150 ML	40°–70°F (4°C–21°C)	3–7 minutes
<input type="checkbox"/>	CM-2070	300 ML	70°F (21°C) and above	30–45 minutes
<input type="checkbox"/>	CM-2070-FG	300 ML	70°F (21°C) and above	20–30 minutes
<input type="checkbox"/>	CM-2070-SFG	300 ML	70°F (21°C) and above	3–7 minutes
<input type="checkbox"/>	CM-2040	300 ML	40°–70°F (4°C–21°C)	30–45 minutes
<input type="checkbox"/>	CM-2040-FG	300 ML	40°–70°F (4°C–21°C)	20–30 minutes
<input type="checkbox"/>	CM-2040-SFG	300 ML	40°–70°F (4°C–21°C)	3–7 minutes



50 ML Tubes



150 ML Tubes



300 ML Tubes

Champion Fiberglass® manufactures the most dependable conduit, strut and hangers in our class. We go farther, exceed quality standards and create installations that are built to last. Champion Fiberglass helps you Do More® on every project.

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