

## CHAMPION MIX® (EPOXY ADHESIVE)

The CHAMPION MIX® system is a two part adhesive, epoxy resin system, designed to permanently bond fittings and joints of fiberglass reinforced epoxy pipe. 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 part numbers. Because the "Fast Gel" and "Super-Fast Gel" adhesives set up quicker, additional mixing tubes may be required.

*Note: Proper mixing can be visually ascertained when the epoxy mixture is evenly gray.*

Part Number	Temperature Range	Approximate Curing Time
CM-2040	40° - 70° F (4° C - 21° C)	30 – 45 minutes
CM-2040 - FG	40° - 70° F (4° C - 21° C)	20 – 30 minutes
CM-2040 - SFG	40° - 70° F (4° C - 21° C)	3 – 7 minutes
CM-2070	70° F (21° C) and above	30 – 45 minutes
CM-2070 - FG	70° F (21° C) and above	20 – 30 minutes
CM-2070 - SFG	70° F (21° C) and above	3 – 7 minutes

CM-MT	Mixing Tip
CM-AG	Adhesive Gun

Estimated Number of Joints Per Container							
<i>(estimated only, as it varies depending on the amount of adhesive applied per application)</i>							
¾"	100 Joints	1½"	60 Joints	3"	35 Joints	5"	20 Joints
1"	85 Joints	2"	50 Joints	3½"	30 Joints	6"	15 Joints
1¼"	75 Joints	2½"	40 Joints	4"	25 Joints		



Adhesive gun



Epoxy Cartridge & Mixer Tip



Assembled Unit

## EPOXY ADHESIVE KIT

Champion Fiberglass Adhesive Kit, contains two cans, one with base adhesive (black color) and the other with hardener (white color), stir sticks, sand paper for abrading conduit surfaces and instruction sheet. When properly mixed, the adhesive will be evenly gray.

The adhesive kit is offered for three different ambient curing temperatures:

- Item# CF-1070, for 70°F (**21°C**) ambient temperature (standard grade)
- Item# CF-1040, for 40°F (**4°C**) ambient temperature (special grade)
- Item# CF-1020, for 20°F (**-7°C**) ambient temperature (special grade)



Adhesive curing time is dependent on the ambient temperature. As a guideline, the CF-1070 adhesive is cured at 75°F (**29°C**) in 1 hour. Contact Champion Fiberglass for curing information at extreme temperatures (high or low). Champion Fiberglass adhesive can be used for bonding fiberglass and PVC together.