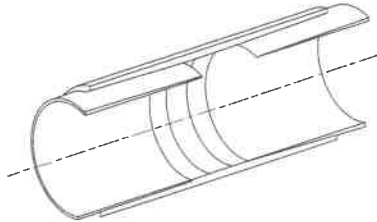




FIBERGLASS-COMPOSITE PIPE GROUP



PSX™•20 Adhesive Kit

Epoxy siloxane adhesive for bonding fiberglass pipe and fittings with tapered joints.

Description

PSX•20 adhesive is a patented two-part epoxy siloxane adhesive designed for permanently joining fiberglass pipe and fittings with taper/taper joints. PSX•20 is a non-flowing thixotropic paste offered in easy-to-use kits. The PSX•20 epoxy adhesive kit contains an adhesive resin, hardener, mixing spatula, brush and assembly instructions. The adhesive resin is a dark red paste with sand, The adhesive hardener is a white paste. The mixed adhesive color is red. PSX•20 can be used to connect epoxy, vinyl ester or phenolic systems.

Listings and approvals



Underwriters
Laboratories Inc.®



Ameron PSX•20 adhesive is Listed by Underwriters Laboratories (UL) under File MH 9162 for use in Nonmetallic Underground Piping for Flammable Liquids. PSX•20 adhesive is particularly suited for piping systems conveying petroleum products including diesel fuels, kerosene, etc., **alcohols and alcohol-gasoline mixtures**, or oxygenated fuels. It is also approved by Underwriters Laboratories for use with MTBE fluids.

Preparation of bonding surface

Using the sandpaper supplied in the adhesive kit, **clean** both surfaces **thoroughly** to remove all dirt, grease and foreign materials. Make sure the bonding surfaces are free of moisture.

Do not touch the bonding surfaces with bare hands, dirty or greasy gloves or rags after cleaning them.

Mixing the adhesive

In cold weather it is necessary to warm the resin to 50°F (10°C) to permit good mixing and easier application.

Open both resin and hardener containers. Using the stick supplied, put all of the hardener into the resin container. **Never split a kit.**

Pot life and Cure time

At 77°F (25°C) the pot life of PSX•20 adhesive is 20 to 30 minutes. The pot life decreases with rising temperatures:

Temperature		Adhesive Pot Life (min.)	Minimum Joint Cure Time
(°F)	(°C)	(minutes)	(hours)
50	10	70	12
65	18	40	6
75	24	25	4
95	35	10	3

In extremely cold or windy conditions, use insulation to prevent rapid dissipation of heat from the cure reaction. Cap the ends of the piping to prevent the passage of cold air. In severe cold conditions, warm air may be blown through the interior of the pipe. A heat cure is recommended for installations with service temperatures above 180°F (82°C) or operating pressures over 300 psi. For ambient temperature conditions below 50°F (10°C), an external heat cure must be used. A minimum heat cure time of at least 30 minutes is recommended for 2- through 6-inch pipe. Even after the adhesive has turned solid at ambient temperatures, heat curing will promote chemical cross-linking of the adhesive, thus increasing its strength, temperature resistance and corrosion resistance. A single Chem Cure Pak may be applied or an Ameron-approved electric heat blanket may be used. The heat cure may be applied at any time after the bond is made and before the pipe has been tested or put into service.