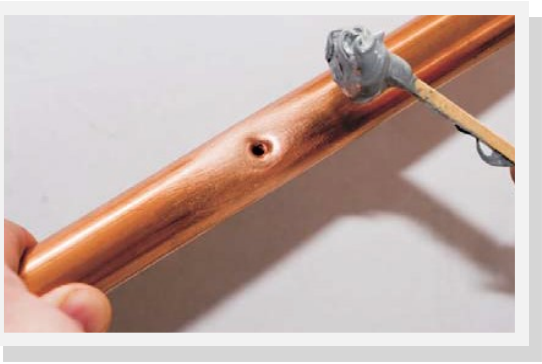
PIPESEAL

Product Data

PIPESEAL - 3000PSI



SELECTION & SPECIFIC DATA

Generic Type

Heat Cured Epoxy Paste

Description

PIPESEAL is s a unique, multi-component, novolac epoxy designed to quickly and permanently patch, seal and repair cracks, holes and leaks in all types of pipe including copper, steel, lead, cast iron and aluminum. PIPESEAL is comprised of 100% solids, contains no VOC's and is safe to apply. PIPESEAL repairs pipes within 5 minutes and is ideal for residential and commercial repairs. It's excellent adhesive strength makes it a perfect option for refrigerant lines. PIPESEAL will not only seal 1/2" diameter leaks in copper pipes, it will also bond copper to copper. PIPESEAL's resin and hardener must be thoroughly mixed to insure it's effectiveness. PIPESEAL's hardener is liquid in viscosity, so it is important to mix on a non-porous surface, making sure that the hardener is blended evenly within the resin. PIPESEAL cures within a few minutes once heated with a non-flammable heat gun or hair dryer.

Product Features & Benefits

- *Works on all metal pipes including copper, steel, lead and cast iron*
- *Heat activated - Hardens fully in minutes*
- *Withstands pressures greater than 1200 psi*
- *No wrapping or plugging required*
- *Ideal for refrigerant lines*
- *Extreme chemical resistant properties*
- *100% solids - No VOCs*
- *Permanently seals holes up to 1/2 inch diameter*

Color	light gray
Finish	Matte
Primer	Self-priming
Solids Content	By Volume 100%
Theoretical Coverage	12.8 sq ft at 125 mils, 2 sq ft at 800 mils
Flash Point	> 250°F (121°C)
Pull-Off Adhesion Test	ASTM D 4541 - minimum adhesion is 1,900 psi
Recommended Thickness	1 coat @ 10 mils. or greater
Specific Gravity	resin: 1.72 hardener 1.03
Volatile Organic Compounds	(VOCs) - 0 grams/liters
Weight per Gallon	11.55 lbs.

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POT LIFE

40°F (4°C) - 50 minutes
75°F (24°C) - 30 minutes
92°F (33°C) - 14 minutes
**Do not keep the blended coating in the original container unless immediate use is planned. Otherwise, exotherm (heat created during the curing process) will considerably shorten the pot life.*

CHEMICAL RESISTANCE

Ammonium Hydroxide	Aromatic & Aliphatic Solvents	Black Liquor
Butyl Acetate	Butyl Carbitol	Chlorinated Solvents
Chlorides	(except Methylene Chloride)	Chromic Acid up to 30%
Hydrochloric Acid - 100%	(38% Hydrogen Chloride)	Hydrofluoric Acid up to 8%
Hydrofluoric Acid up to 8%	Hydrogen Sulfide	Lithium Chloride
MEK	MSEA	Mineral Acids
Nitric Acid up to 10%	(Many) Organic Acids	Phosphates
Phosphoric Acid up to 100%	Potassium Hydroxide	Salts
Sodium Hydroxide	Sodium Hypochloride up to 10.5%	
Sulfides	Sulfuric Acid up to 98%	White Liquor
Water - Fresh, waste, non-potable		

MIXING & THINNING

Mixing	Thoroughly mix on a non-porous surface ensuring that the hardener (liquid component) is fully integrated within the resin.
Ratio	3:1 Ratio (A to B) by Volume
Pot Life	45 minutes in 8 fluid oz mass

SUBSTRATES & SURFACE PREPARATION

General	Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminants.
Steel	Immersion: SSPC-SP10 Near White with jagged profile of 2.5 – 3.5 mils.
Non-immersion	SSPC-SP6 1.5 – 3.0 mils SSPC-SP2 or SP3 are suitable cleaning methods for mild environments.

APPLICATION GUIDELINES

Apply with a trowel on and around leaking area. Once applied, cure PIPESEAL with a non-flammable heat gun. As you apply heat, the uncured gloss texture will turn to a matt texture which represents full cure within minutes.

CLEANUP & SAFETY

Cleanup	Use MEK or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

DYNESIC TECHNOLOGIES

Dynesic produces exceptional chemically engineered coatings, adhesives and sealants offering premium corrosion protection, while being safe for the environment and safe/easy to apply. Dynesic Technologies can be found protecting steel, ductile and concrete substrates worldwide.

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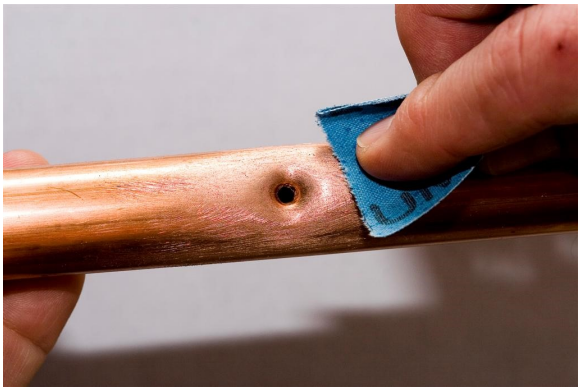
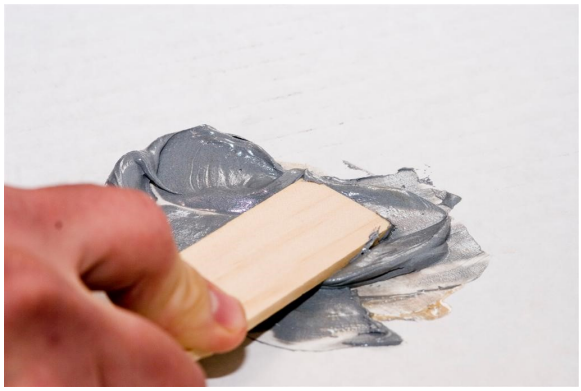
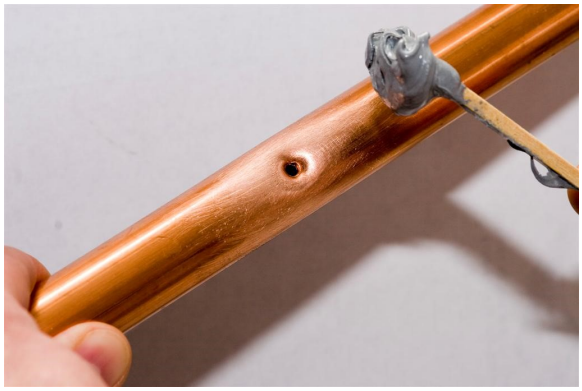
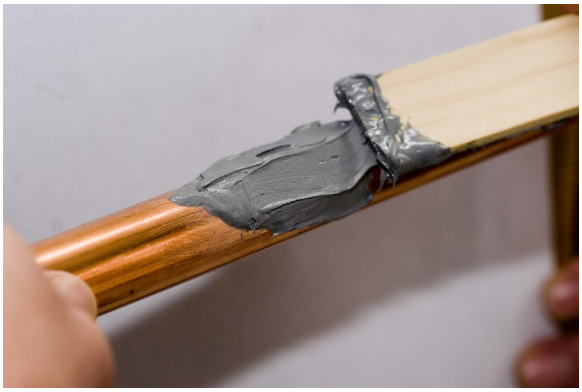
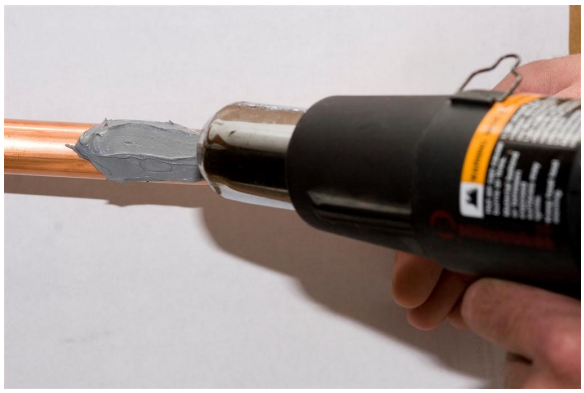
DIRECTIONS











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