

SELECTION & SPECIFIC DATA

Generic Type: Heat Cured Epoxy Paste

Description

PIPESEAL is a unique, multi-component, high-strength 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 5-15 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.

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.

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 Carbinol	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	Hypo chloride 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 and ensure that the hardener (liquid component) is fully integrated within the resin. The goal is to get the hardener evenly distributed in the resin. PIPESEAL cures within a few minutes once heated with a non-flammable heat gun or hair dryer.
- 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

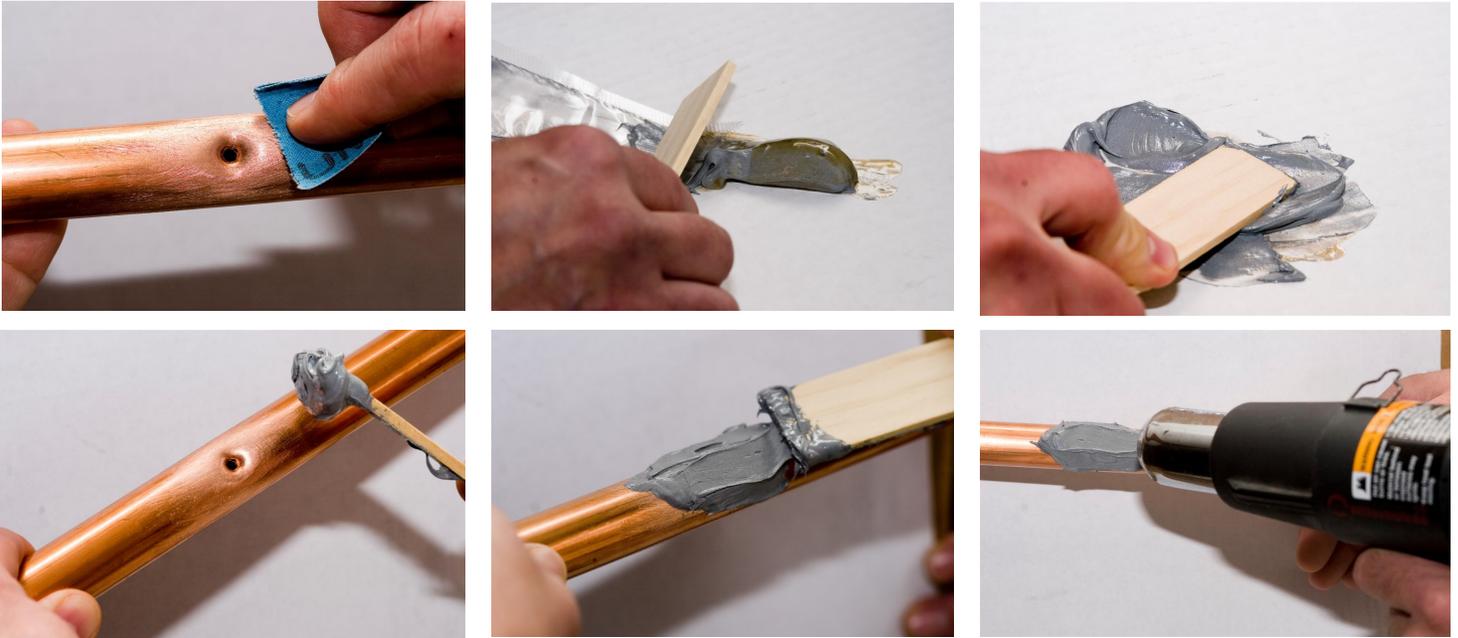
Apply with a trowel on and around leaking area. Once applied, cure PIPESEAL with a non-flammable heat gun. As you apply heat, the uncured gloss texture will turn to a matt texture which represents full cure within minutes.

CLEANUP & SAFETY

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.



That's how it's done -