



TECHNICAL DATA SHEET

Pioneer Pro Pipe Jointing Epoxy Putty

Form No.: FM_RCI 02-160
Rev.Code: 00
Effectivity Date: 10/01/2014
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PRODUCT DESCRIPTION

PIONEER PIPE JOINTING EPOXY PUTTY is a 100% solids, two-part modified epoxy compound especially formulated for jointing and sealing pipe joints made of cast iron, concrete, clay, asbestos and rigid PVC. When cured in place, it exhibits hard, tough, water/chemical resistant qualities.

TYPICAL USES

Applicable to many types of plumbing joints.

TECHNICAL DATA

TABLE 1: Coverage per gallon set

1/16" thickness	45 sq. ft.
1/8 "thickness	23 sq. ft.
¼"thickness	11 sq. ft.
½" thickness	6 sq. ft.

TABLE 2: Physical Properties: CURED STATE

Parameters	Results	Remarks
Tensile Strength	3,300+500 psi	
Flexural Strength	6,200+500 psi	ASTM D 790
Izod Impact Strength	41 j / m	ASTM D 256 (method A)
Compressive Strength	12,200+500psi	
Hardness (Shore)	58-69	
Shrinkage	Negligible dilute acids and alkalies organic solvents and other chemicals.	
VOC	3.5 g/L Below tolerance limit of 70 g/L based on (SCAQMD) Rule#1168.	

TABLE 3: CHEMICAL RESISTANCE OF CURE FILM; SAMPLES CURED FOR 3 DAYS BEFORE IMMERSION IN THE FOLLOWING:

CHEMICAL MEDIUM	DAYS OF IMMERSION	% GAIN ON WEIGHT	% LOSS ON WEIGHT	HARDNESS (SHORE D)	REMARKS
Tap Water	9	0.100	-	60	Not affected
Gasoline	7	0.680	-	55	Slight decrease in hardness; no visual change in appearance.
Diesel	7	0.060	-	58	Not affected
10% Sodium Hydroxide	7	0.466	-	56	Hardness slightly decreased
10% Sodium Chloride	7	0.075	-	60	No visible physical change; slight increase in weight.
50% Sodium Chloride	7	0.330	-	57	Negligible decrease in hardness; no visible physical change.
10% Sulfuric Acid	7	5.200	-	55	Slight discoloration; increased in weight; hardness decreased.
10% Hydrochloric Acid	7	-	1.700	58	Slight discoloration; loss in weight.



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30% Hydrochloric Acid	7	-	2.850	52	Discoloration decreased in weight and hardness
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APPLICATION PARAMETERS

Surface Preparation: For maximum adhesion, surfaces should be clean, free of dirt, oil of grease. Metal pipes should be sanded or abraded; as for PVC pipes, wash with soap and water or vapor degreased with trichloethylene; concrete, asbestos or clay pipes should be free from dust/dirt of loose particles prior to application of adhesive.

MIXING : Mix equal volumes of Parts A and B and blend well until uniform color is obtained.

METHOD : Fill deep portions with fillers, then trowel the epoxy mixture into the joints using a caulking tool or spatula.

CLEANING : Clean trowel and other equipment used during application with kerosene, ketone or toluene before the mixture sets or hardens.

**HEALTH AND SAFETY:
PRECAUTION** Avoid prolonged or repeated skin contact. If skin contact occurs, wipe with cloth or tissue paper, then wash with soap and water. When eye contact occurs flush with clean water and obtain medical attention immediately.

PACKAGING

PIONEER PRO PIPE JOINTING EPOXY PUTTY is available in ½ pint, quart and gallon cans.



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