PLAINTIFF'S EXHIBIT

CT-372

FORM P927

TECHNICAL SPECIFICATIONS

CERTAIN-TEED PRODUCTS CORPORATION
PIPE DIVISION

CERTAINTEED

SPECIFICATIONS CLASSIFICATION: Standard Purchasing Specification		
T.C.O. REF. NO. 1	SPECIFICATION NO: 521	PAGE NO.: 1
SUPERSEDES: K & M Co. M. S. Mar. 12, 1959 - Dec. 18, 1961	DATE OF ISSUE: May 21, 1971	

DESCRIPTION:

Epoxy Resin for A/C Fittings Adhesive-Section A

A. GENERAL

Description: This specification describes the epoxy resin used in adhesive for fabricating A/C fittings. This epoxy resin is a liquid modified diglycidyl ether - bisphenol A type with an epoxide equivalent of 232-250 and free of solvents or diluents. Other epoxy resins which meet the requirements of this specification and perform satisfactorily in service may also be included with proper authorization.

B. USE

This material is intended for use in an epoxy structural adhesive as the vehicle for the fillers and hardener.

C. LOT SIZE

For sampling and inspection purposes, a lot is defined as the quantity of a single shipment of epoxy resin.

D. REQUIREMENTS

1. Special

All epoxy resin suppliers shall be approved in writing by the Technical Service Manager - Materials of CERTAIN-TEED Pipe and Plastics Group. Any change in the epoxy resin composition or properties by an approved vendor must be authorized in writing by the Technical Service Manager - Materials before the end product may be supplied to P & PG plants. When such change is authorized the change shall be recorded by date of manufacture. The manufacturer shall notify the Purchasing Department and Technical Service Department when such an authorized change is actually effected. After approval of the epoxy resin the vendor will assign a proprietary number to the epoxy resin and all references to the product shall include this vendor number.

2. Manufacturer's Inspection

The manufacturer shall perform such inspection and testing that all defective material is removed from each shipment before shipment is made to P & PG.

3. Manufacturer's Control Data CTD015015

The manufacturer shall maintain records of the control data on each batch of epoxy resin that is manufactured for P&PG. These records shall be such that when requested, the manufacturer shall be able to furnish a notarized statement that the requirements of this specification have been complied

PREPARED BY:	APPROVED BY:	R & D	MFG.	SALES	I.E.	OTHERS
		CTD				ish

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with for any given shipment.

4. Physical Characteristics

The physical characteristics shall be in accordance with the requirements as shown in Table A.

5. Chemical Characteristics

The chemical characteristics shall be in accordance with the requirements as shown in Table B.

B. TEST METHODS

The following tests will be conducted in accordance with the applicable test methods.

1. Physical	
Color	ASTM D-1544
Density	TM-34
Viscosity	Brookfield Viscosimeter
2. Chemical	
Epoxy Equivalent	ASTM D-1652
Pot. Life	TM 32

F. PACKAGING AND MARKING

Epoxy resin shall be packaged in suitable containers with the vendor's number & date of manufacture marked on the outside of the containers. All invoices shall contain this information.

G. ACCEPTANCE AND REJECTION

P&PG reserves the right to reject any lot of Epoxy Resin which does not conform to the requirements of this specification. If any lot is rejected, the supplier shall be advised within 24 hours of rejection of lot and the reason for the rejection explained.

CTD015016

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T.C.O. REF. NO.	SPECIFICATION NO:	PAGE NO.:
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DESCRIPTION:

Epoxy Resin for A/C Fittings Adhesive-Section A

TABLE A

Physical Requirements

Color, Gardner Scale @ 25°C Max.	3
Density, lbs/gallon @ 25°C	9.3 to 9.5
Viscosity, Brookfield No. 1 Spindle @ 25°C	2000-3600 Centipoises

TABLE B

Chemical Requirements

Epoxy Equivalent	232-250
Shelf Life Min.	1 Year
Pot. Life (7 phr DETA) 75°F	35 Min.

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		CNH				I,H

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