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# QUAD-CURE™ 3120/3145 CIPP EPOXY RESIN TECHNICAL DATA SHEET

Rev. 06-2019



**REPAIR  
MATERIALS**

A VORTEX COMPANY

## Typical Performance Characteristics

### QX20 HARDENER

Gel Time:	20 min.
Work Time:	35 min.
Full Cure (ambient):	1.5 hours
Force Cure at 150°F:	Not Recommended

### ASTM TESTING

ASTM D695 Compressive Strength	8784 psi
ASTM D638 Tensile Strength	4655 psi
ASTM D38 Tensile Elongation	4.8%
ASTM D790 Flexural Strength	9559 psi
ASTM D790 Flexural Modulus	373,531 psi

### QX45 HARDENER

Gel time:	45 min.
Work time:	1 hour
Full cure (ambient):	4 hours
Force Cure at 150° F:	1 hour

### ASTM TESTING

ASTM D695 Compressive Strength	5500 psi
ASTM D638 Tensile Strength	4597 psi
ASTM D38 Tensile Elongation	5.1%
ASTM D790 Flexural Strength	10,159 psi
ASTM D790 Flexural Modulus	339,289 psi

## 100% SOLIDS EPOXY CATALYST FOR CIPP LINING APPLICATIONS

### DESCRIPTION

Quad-Cure™ 3120/3145 CIPP Resin is a 100% solids epoxy system designed to meet all specifications for full structural Cured-In-Place Pipe (CIPP) liner conforming to ASTM F1216. Using Quadex's QB31 Base Resin, in conjunction with QX Hardeners, Quad-Cure 3120/3145 will achieve a fully cross-linked system to for a high quality, long-term solution.

It is important to note that Quad-Cure 3120/3145 is specifically designed for CIPP applications and has not been modified from another industry resin in attempt to fit the complex environmental, design and performance needs required in underground rehabilitation industry.

### QUADEX™ COMPONENTS

- QB31 - Quad-Cure 100% Solids Base Resin
- QX20 - 20 min. Pot Life Hardener
- QX45 - 45 min. Pot Life Hardener

### **MIXING RATIO**

3 parts QB31 to 1 part QX20/QX45

### **SAFETY**

Always use safety glasses and protective clothing including gloves when using this product. QX20/QX45 contains Amine. Do not ingest. If QX20/QX45 comes in contact with eyes flush immediately with water. Always read the container label warning and Safety Data Sheet prior to use.

### **MIXING DIRECTIONS**

Mix 3 parts QX31 Epoxy Base to 1 part QX20/QX45. Mix using a mixing paddle for a minimum of 3 minutes.

### **SHELF LIFE**

18 months unopened and stored between 50°F and 100°F.

### **STORAGE**

Store between 40°F and 100°F.

### **DISPOSAL**

Disposal must conform to local and state regulations.