



Powered by  
**STAG**  
technologies  
A VORTEX COMPANY

# QUAD-CURE™ CIPP EPOXY RESIN TECHNICAL DATA SHEET

Rev. 01-2019



A VORTEX COMPANY

## REPAIR MATERIALS

### Typical Performance Characteristics

#### QX30 HARDENER

Gel Time:	30 min.
Work Time:	1 hour
Full Cure:	4 hours
Force Cure at 140°F:	1 hour

#### 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

#### QX60 HARDENER

Gel time:	60 min.
Work time:	2 hours
Full cure:	8 hours
Force Cure at 140° 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™ 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 QB Base Resin, in conjunction with QX Hardeners, Quad-Cure will achieve a fully cross-linked system to for a high quality, long-term solution.

It is important to note that Quad-Cure 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

QB - Quad-Cure 100% solids base resin

QX30 - 30 min. Pot life Hardener

QX60 - 60 min. Pot Life Hardener

### **MIXING RATIO**

4 parts QB to 1 part QX30/QX60

### **SAFETY**

Always use safety glasses and protective clothing including gloves when using this product. QX30 contains Amine.

Do not ingest. If QX30 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 4 parts QX Epoxy Base to 1 part QX 30/60. 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.