



PERMA • CRETE®

A
Division
of Quality
Systems, Inc.

PERMA • GEL EPOXY

AUGUST 2, 1993

PRODUCT DESCRIPTION

CONTENTS

Perma•Gel is a 100% solids, two component, moisture insensitive epoxy resin system. Has Lo-Mod elasticity which allows variations in stress and temperature.

USES

Used for the repair of structural cracks in concrete, steel, wood and other surfaces. Produces a gel-like consistency as a gap filling material for bonding irregular surfaces.

ADVANTAGES

Makes efficient repairs to dry, damp and underwater surfaces. Allows traffic within three hours at 77°F. Permits low temperature cures as low as 40°F. Easy mix ratio of 1 to 1 A:B. Moisture insensitive.

TECHNICAL DATA

CHARACTERISTICS

Color:	A- Grey B- Straw
Package:	2 Gal. Unit
Spread Rate:	1 Unit = 460 cu. In.
Mix Ratio:	1A to 1B
Viscosity:	Gel
Pot Life:	30 Min. @75°F
Tensile:	14 Days, 2400psi
Compression:	24 Hrs., 4400psi
Compression:	7 Days, 6800psi
Flexural:	14 Days, 3200psi
Elongation:	35%
VOC:	87 g/l
Storage:	40° -95°F
Reactivity:	Corrosive (Part B)
Shelf Life:	12 Mos. Unopened

COMPOSITION

Resin: (Part A)	Proprietary
Hardener: (Part B)	Proprietary
	<hr/> 100%

PRODUCT APPLICATION

SURFACES

Surface must be structurally sound. Loose particles of soft weak sections must be removed. Sandblasting is desirable.

PREPARATION

Surface must be clean and free of dirt, dust, oil, grease or other substances that could affect adhesion. Acid wash smooth surfaces and rinse thoroughly.

APPLICATION

Condition to 75°F before using. Do not thin with solvents. Use separate measuring cups to obtain equal amounts of parts A & B. Stir thoroughly with electric mixer until bubbles appear. Apply directly into crack per separate instructions for surface crack repair. Coat with clean sand during cure time to leave rough finish for Matrix Mix adhesion. Sweep away sand after cure.

CLEAN-UP

Clean application tools and equipment with xylene.