



PERMA PATCH TECH INFORMATION

PRODUCT DESCRIPTION:

PERMA PATCH is a 100% solvent-free two component, structural epoxy, primarily used for coating and resurfacing damaged concrete. It is also used for waterproofing and protecting floors against corrosion and deterioration caused by water, chemicals and heavy traffic.

BASIC USES:

Mortar - To make PERMA PATCH into a mortar, add 3 parts of sand to 1 part of mixed epoxy by volume. Spread on surface to desired thickness and trowel in one direction to a uniform appearance. Do not overwork the material.

Flowable Grout - To make PERMA PATCH into a flowable grout, mix 2 parts of sand to 1 part of mixed epoxy by volume and mix completely. Material will pour and flow as a conventional grout.

Coating - To make PERMA PATCH into a coating, apply liquids only (no aggregate) by brush, roller or squeegee. For a non-skid surface, broadcast aggregate on the first coat while PERMA PATCH is still wet. Apply second coat, if needed.

APPLICATION BRIEF:

Surfaces - Area must be clean, sound and dry.

Cleaning - Conventional cleaning methods used are acid etching, shot blasting or aqua blasting. Dense concrete should be acid etched exposing small aggregate particles and giving the appearance of sandpaper.

Product Mixing - Stir each component separately. Blend 2 parts of base to 1 part of reactor by volume and mix completely. When preparing mortar mix 3-4 parts aggregate by volume using a slow speed electric drill with paddle.

STANDARD COLORS:

Dark Grey, Light Grey, OSHA Blue, Yellow, Red

PROPERTIES:

MixRatio 2:1 by volume

Initial Set Time 2 hour @ 77 degrees F

Cure Time: 4 to 6 hours @ 77 degrees F

POT LIFE:

Pot life is 25 to 30 minutes @ 77 degrees F. Mix only amount that can be applied in 15 minutes.

TECHNICAL DATA:

Comprehensive Strength (ASTM D 695) ---- 10,000 psi minimum @ 7 days

Tensile Strength (ASTM D 638) ----- 1700 psi minimum

Tensile Elongation (ASTM D 638) ----- 3 percent

Tensile Shear ----- 28 days @ 77 degrees F 1800 psi

Hardness Shore D (ASTM D 2240) ----- min 85-90

Flexural Strength (ASTM C 580) ----- 4500 psi

Bond Strength (ASTM C 882) ----- 100% concrete failure

Indentation Test (MIL-D-3134F) ----- No indentation

Abrasive Resistance (ASTM D 1044) ----- .19 gram max

Water Absorption (ASTM C 413) ----- .1%

Viscosity ----- Mortar

Shelf Life ----- 2 years in unopened containers

CHEMICAL RESISTANCE;

Resistant to mild mineral acids, alkalies, detergents, solvents, boiling water, skydrol, hydraulic fluids, lubricating oils, deicing salts, etc.