

PRODUCT DATA



TOLEDO FLOOR RESURFACING, INC.

TFR EPOXY INDUSTRIAL PATCH

USES:

TFR Epoxy Industrial Patch is used for the repair and restoration of below-grade imperfections. TFR Epoxy Industrial Patch may also be used for areas needing sloping, pitching or ramping build up.

TFR Epoxy Industrial Patch is used in preparation for coating or overlayment.

PRODUCT DESCRIPTION:

TFR Epoxy Industrial Patch is a three-component, fast-set, polymer system composed of resin, curing agent and aggregate; designed for horizontal repairs.

PHYSICAL/CHEMICAL CHARACTERISTICS

Working Properties:	Service Time	Foot Traffic	8-12 hrs. (77°F)
		Light Vehicular	24 hrs. (77°F)
		Full Service	5-7 days (77°F)
Mechanical Properties:	Compressive Strength	15519 psi	ASTM D-695
	Flexural Strength	16302 psi	ASTM D-790
	Tensile Strength	6004 psi	ASTM D-638
	Coefficient of Thermal Expansion	3.5 x 10 ⁵ in/in/°F	ASTM C-531
Shore D	83		

ACID CHEMICAL RESISTANT GUIDE

The following results are based on 21 day immersions.

R=Resistant L=Limited Resistance
NR=Not Recommended

Ammonia 25%	L
Aromatic Hydrocarbons	L
Butanol	NR
Chromic Acid 40%	NR
Citric Acid	NR
Cyclohexane	NR
Ethylene Glycol	NR
Hydrochloric Acid 20%	L
Jet Fuel	L
Kerosene	L
Methylene Chloride	NR
MIBK	NR
Nitric Acid 5%	NR
Phosphoric Acid 5%	NR
Potassium Hydroxide	L
Sulfuric Acid 20%	R
Waste Water, Sewage	NR
Xylene	NR

Toledo Floor Resurfacing Epoxy Industrial Patch is available in three standard colors.

SPECIFICATIONS



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PART 1 GENERAL

1) Qualifications

A. Contractor skilled and regularly engaging in manufacturing and installation of epoxy polymer flooring systems of similar size and nature for the past five years.

2) Job Provisions

A. Concrete (standard six-bag mix) shall have a 28-30 day cure. Quick cure additives (High Early) may be used for a 5-10 day cure. Do not use a sealer on new concrete. Concrete shall have a rough, broom finish.

B. Utilities, air, electric, water, heat 50°-70°F (air), 50°F or greater (concrete) to be furnished by contractor or user.

C. Dock for unloading of material and equipment and disposal dumpster for non-toxic dust to be provided by contractor or user.

3) Guarantee

A. With Toledo Floor Resurfacing's installation, workmanship and adhesion are guaranteed as specified.

PART 2 INSTALLATION

1) Surface Preparation

All areas are mechanically steel shot blasted and/or scarified and/or chipped to remove all dirt, grease, loose and fatigued concrete; opening the pores of concrete to accept primer, fill material and overlayment.

2) Surface Priming

A penetrating epoxy primer is applied to the abraded concrete.

3) Surface Irregularities

Loose and unsound concrete are removed with chipping hammers, chisel or steel shot blasting. Special formulated Epoxy Industrial Patch is trowelled in below-grade imperfections, bringing floor back to level, to accept final coating or overlay.

4) Installation of Overlayment

Optional

5) Coating

Optional