



TECHNICAL DATA SHEET

PIONEERPRO

CONCRETE EPOXY 10LV

PRODUCT DESCRIPTION

PIONEERPRO CONCRETE EPOXY 10LV is basically designed to have the same features as **PIONEERPRO CONCRETE EPOXY 10HV**, except that it has lower viscosity. This consistency, pourable and self-leveling, makes it suitable for large areas of application, i.e. elevating floorings and patching damaged or degraded concrete structures. The user may add inert fillers or aggregates to meet the desired consistency and extend its coverage. Cured **PIONEERPRO CONCRETE EPOXY 10LV** exhibits durable, tough, shock or impact resistant qualities. It is also water and chemical resistant.

TYPICAL USES

1. To anchor and grout concrete or ceramic floor tiles over wood, steel or concrete surfaces.
2. To seal concrete surfaces against water and salt intrusions.
3. To repair spalled or scaled areas, broken slabs, and cracks in concrete structures.
4. Recommended as tack coat between old and new concrete when elevating floorings. When using **PIONEERPRO CONCRETE EPOXY 10LV** in this manner, viscosity must first be adjusted to the desired consistency, using "C" powder. "C" powder is available and can be bought from us upon request.
5. For skid proofing purposes.

TECHNICAL DATA

Table 1: Physical Properties: UNCURED STATE

Parameters		Results
Color:	Part A	Beige
	Part B	Amber
Consistency	Soft paste	
Solid Content	100 %	
Pot Life @ 27°C	1 ½ - 2 ½ hours	
Curing Time	72 hours	
Coverage	will depend on surface porosity and application techniques	
Shelf Life	18 months	
Mixing Ratio (Part A:Part B)		
As Tack Coat	1 : 1 by volume	
As Flooring	Same as tack coat plus inert fillers or aggregates added into the mixture based on strength and workability	

Table 2: Physical Properties: CURED STATE

Parameters	Results	Remarks
Tensile Strength	4,500 ± 500psi	ASTM 638
Flexural Strength	8,000 ± 500psi	ASTM D79
Compressive Strength	7,000 ± 500psi	ASTM D695
Hardness	70-90	Shore D
Shrinkage	negligible	
Tack Free Time	4-6 hours	
Water Absorption (%)	0	

INSTRUCTION FOR USE

SURFACE PREPARATION:

Surface must be clean and free of dirt, paint, oil, grease, loose scale and other surface contaminants. Concrete surfaces must be thoroughly cleaned by sandblasting, acid-etching or mechanical grinding. If acid-etching is used, the surface must be thoroughly flushed with water and neutralized. Surfaces should be clean and ready for application before the adhesive is mixed.

MIXING:

As Tack Coat: Mix equal parts by volume of Part A and Part B. Blend well until uniform color is obtained.

As Flooring: Mix equal parts by volume of Part A and Part B. Blend well until uniform color is obtained. Add inert fillers or aggregates into the mixture and blend well. Quantity of aggregates to be added will depend on the adhesive strength and workability desired.

METHOD:

As Tack Coat: Apply mixture to the surface by brush or roller. Since pot life is affected by temperatures, rate of application will depend on the prevailing weather condition during application period.

As Flooring: Spread mixture with spatula, knife or trowel into areas to be applied. For skid proofing, sprinkle or cast silica grits or carborundum on the still tacky surface of the applied mixture. Allow seeded floor to cure until firm, then sweep or vacuum excess grits. Remove projecting or loose aggregates by scraping the floor with the edge of the trowel.



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CLEANING:

Tools and or equipment used during application should be cleaned while epoxy is still soft. Use ketones, toluene or kerosene as cleaning solvents. For soiled hands, wipe with cloth dampened with solvents mentioned, then, wash with soap and water.

HEALTH PRECAUTIONS:

Tools and or equipment used during application should be cleaned while epoxy is still soft. Use ketones, toluene or kerosene as cleaning solvents. For soiled hands, wipe with cloth dampened with solvents mentioned, then, wash with soap and water.

PACKAGING

PIONEERPRO CONCRETE EPOXY 10LV is available in gallon and quart can sets.