

## TECHNICAL DATA SHEET

### DESCRIPTION

Pro-Poxy 40 LVLM is a 100% solids, low modulus, highly penetrating, epoxy polymer. Pro-Poxy 40 LVLM, when applied to cracked concrete bridge decks and elevated slabs, seals the cracks against the intrusion of chlorides and moisture, protecting the concrete from degradation and the corrosion of steel reinforcements. Pro-Poxy 40 LVLM is designed to prolong the life of concrete decks in even the most severe climates. Its rapid cure time is advantageous over other polymer systems.

### USE

Sealing cracks in concrete bridge decks and parking deck slabs. Protection and sealing of concrete in splash zone areas. Sealing and protection of interior concrete slabs.

### FEATURES

- Penetrates deeply
- Seals cracks
- Protects steel reinforcements from chloride and moisture corrosion
- Rapid cure time

### PROPERTIES

Mix Ratio: 2:1 Part A to Part B by volume

Gel Time (60 g mass) (ASTM D2472)  
19 min at 73° ± 2°F (23°C)

Viscosity (ASTM D2393) 90 cps (RV3 @ 20 rpm)

Tensile Elongation (ASTM D638) 91%

Tensile Strength (ASTM D638)  
1,500 psi (10.34 Mpa)

### voc

Pro-Poxy 40 LVLM has a VOC content of 0 g/L. Compliant with all Canadian and U.S. VOC regulations including Federal EPA, OTC, LADCO, SCAQMD & CARB.

### Estimating Guide

Broom finished 65-100 sq. ft./gallon (1.6-2.5 sq. M/L)

Steel troweled 150-200 sq. ft./gallon (3.7-4.9 sq. M/L)

Texture and absorption of surface will determine final coverage rates. Porous concrete surfaces may require additional material.

### Packaging

PRODUCT CODE	PACKAGE	SIZE	
		Gallons	Liters
141762	Unit	15	56.8
142884	Unit	165	624.6

### COLOR

Light purple amber

### STORAGE

The material should be stored at 40° -95°F (5°-35°C). Shelf life of properly stored, unopened containers is 24 months.

### Surface Preparation:

Clean surface by shotblasting or sandblasting in order to create a bonding profile and to remove curing compounds and all contaminants (dirt, oil, grease, laitance, etc.). Remove dust and debris by blowing off with oilfree compressed air.

### Mixing

Condition material to 65° - 85°F (18° - 29°C) before using. Premix each component separately, then mechanically mix component A and component B to ratio with a Jiffy mixer and low-speed drill at 300 rpm for a minimum of three minutes, moving mixer around edges of container to ensure complete mix. Mix only the quantity that can be used within its gel time.

### Placement:

Apply by pouring Pro-Poxy 40 LVLM on to the deck surface. Distribute the material evenly with a squeegee or a broom by maintaining a liquid head over the cracks during distribution. Continue the application over the cracks until refusal. Remove all excess material with a squeegee, or a broom on textured surfaces. While still tacky, broadcast oven-dried silica sand at a rate to allow even coverage and provide proper skid resistance. Minimum application temperature 50°F (10°C).

### CLEAN UP

Uncured material can be removed with the Unitex Citrus Cleaner or other approved solvent. Cured material can only be removed mechanically.

**TECHNICAL DATA SHEET****LIMITATIONS****FOR PROFESSIONAL USE ONLY**

Minimum age of concrete must be 21-28 days from date of placement depending on curing and drying conditions before applying product as a sealer. Material is a vapor barrier after curing. Not for exterior slabs on grade. Vapor pressure not to exceed 3 lbs./1000 sq. ft. (14.65 kg/sq. M). Do not thin. Solvents will prevent proper cure.

**PRECAUTIONS****READ SDS PRIOR TO USING PRODUCT**

- Component A – Irritant
- Component B – Corrosive
- Wear protective clothing, gloves and eye protection (goggles, safety glasses and/or face shield)
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, seek medical help immediately
- May cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed
- Dispose of waste material in accordance with federal, state and local requirements
- Cured epoxy resins are innocuous

**MANUFACTURER**

Dayton Superior Corporation  
1125 Byers Road  
Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

**WARRANTY**

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.