

# Epoxy/Urethane Mortar Systems



## ***Mortars and Slurries***

Available products for use in epoxy/urethane mortar and slurry systems



# Epoxy Mortars

## Typical Applications:

- Forklift Traffic Areas
- Steel Wheel Traffic Areas
- Food & Dairy Industry
- Pulp & Paper Industry
- Cold Storage Areas
- Manufacturing Areas

## Benefits/Features:

- Great physical strengths
- Highly chemical resistant
- Great for resurfacing damaged concrete
- Excellent wear characteristics
- Special formulations available

Epoxy Mortar is a heavy duty, troweled floor topping that can be used to patch or resurface concrete and cement floors. It is composed of a unique blend of aggregates and polymer resins. These products offer superior durability and resistance to heavy traffic.

### STANDARD TROWELED EPOXY MORTAR SYSTEM COMPONENTS

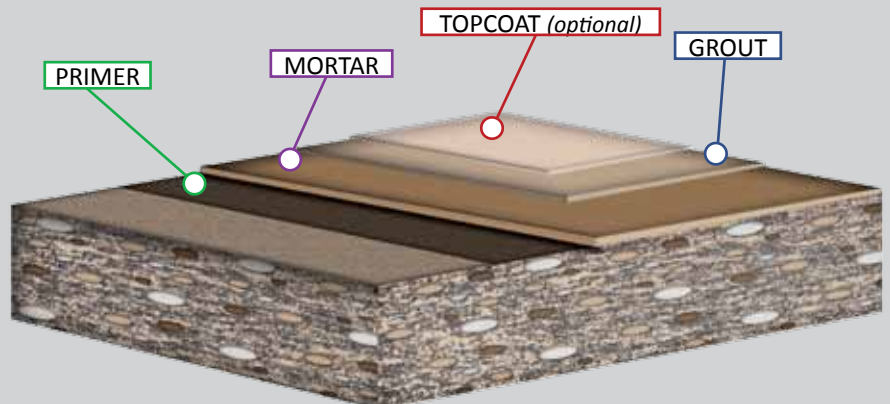
Coat	Product	Mix	Coverage
Primer	162 Power Trowel Primer	2:1	200 to 267 sf/gal
Mortar	110 Epoxy Mortar	4:1	19 sf/unit
PT Aggregate Blend 74 lb/gallon mixed epoxy = 38 sf			
Grout	94 Grout Coat	2:1	125 sf @ 12 mils 267 sf @ 6 mils
Wear	707 High Build Epoxy <i>*with or without No Slip</i>	2:1	125 sf/gal

*Multiple Wear/Topcoat options available*

### PHYSICAL PROPERTIES

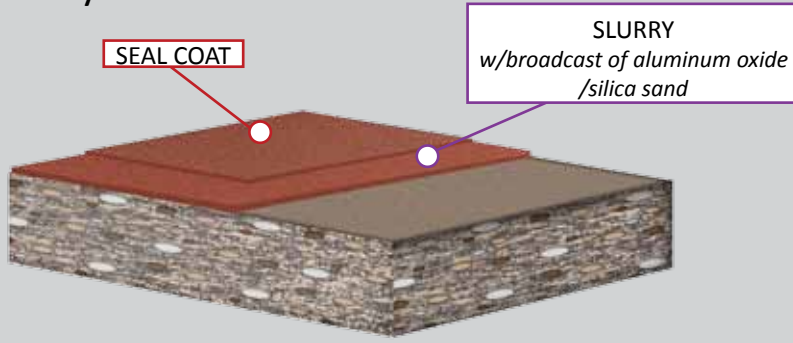
Property	Result	Test Method
Adhesion	340 psi (concrete failure)	
**Flexural Strength	15,510 psi	ASTM D790
**Compressive Strength	11,150 psi	ASTM D695
**Tensile Strength	6,800 psi	ASTM D638
**Elongation	4.65%	
Impact Resistance	Excellent	
Abrasion Resistance	32 mg	CS-17 1000/500
Application Temp.	60° to 90° F	

Typical values and not specifications, see individual component product data sheets for specific product properties. (\*\*neat resin)



# Urethane Mortars/Slurries

Urethane Mortars/Slurry systems have good thermal shock capabilities and are a great choice for hot wash down areas. These products are recommended for resurfacing areas where a durable shock resistant is needed. We offer both mortar and slurry formulations.



URETHANE SLURRY SYSTEM COMPONENTS - Thermal			
Coat	Product	Mix	Coverage
Slurry	903SL Urethane Slurry	7.25 # (A) 7.25# (B) 29# (C) <i>aggregate</i>	37 to 46 sf per kit @ 1/8"
Broadcast Aggregate- Aluminum Oxide or Silica Sand			
Seal	903TC Urethane Topcoat	7.25 # (A) 7.25# (B) 9.2# (C) <i>aggregate</i> <i>1# dry pigment</i>	160 to 170 sf per kit over 20/40 broadcast

URETHANE SLURRY SYSTEM COMPONENTS - Novolac			
Coat	Product	Mix	Coverage
Slurry	903SL Urethane Slurry	7.25 # (A) 7.25# (B) 29# (C) <i>aggregate</i> <i>1# dry pigment</i>	37 to 46 sf per kit @ 1/8"
Broadcast Aggregate- Aluminum Oxide or Silica Sand			
Seal	253 Novolac Epoxy Seal	2:1	90 to 100 sf/gallon

PHYSICAL PROPERTIES		
Property	Result	Test Method
Bond Strength	100% concrete failure	ASTM-D4541
Flexural Strength	2,700 psi	ASTM C-580
Compressive Strength	8.400 psi	ASTM C-579
Tensile Strength	1.050 psi	ASTM C-307
Impact Resistance	160 in. lbs direct	D-4229
Heat Resistant	Can withstand up to 200°F	
Application Temp.	45° to 85° F	

PHYSICAL PROPERTIES		
Property	Result	Test Method
Bond Strength	100% concrete failure	ASTM-D4541
Flexural Strength	2,700 psi	ASTM C-580
Compressive Strength	8.400 psi	ASTM C-579
Tensile Strength	1.050 psi	ASTM C-307
Impact Resistance	160 in. lbs direct	D-4229
Gloss	>40 (glossmeter)	
Application Temp.	60° to 85° F	

See individual component product data sheets for specific product properties.

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# Epoxy Mortar Formulations

## 256M Chemical Resistant Formulation

Exhibits best chemical resistance characteristics of all mortars.



## 120 Acid Resistant Formulation

Strong resistance to acids, caustics, and other harsh chemicals.



## 124 Freezer Formulation

For applications as low as 30 degrees F.



## 128 Arctic Formulation

A patch material for temperatures at or below 0 degrees F.



## 130 Coal Tar Patch

Designed for patching indoor or outdoor asphalt areas.



# Available Colors

## Epoxy Mortars



**BLACK AND NATURAL ALSO AVAILABLE**

## Urethane Mortar/Slurries



**NOTE ON MORTAR/SLURRY COLORS:** The above colors are shown as close as possible. Due to screen and print limitations, you should consult an NPI representative for physical samples for the most accurate representation. Colors may vary from batch to batch and product to product. **The colors displayed represent the liquids portion of the products. The addition of aggregate will alter the color.**