



ARMORSEAL® 8100

Water Based Epoxy Floor Coating

ArmorSeal® 8100 is the next generation in water based epoxy floor coatings; a two-component polyamine epoxy with excellent chemical and abrasion resistance that is breathable. A LEED 4.2 compliant material that offers improved performance while maintaining ease of application.

Features

- Breathable
- Polyamine Epoxy
- 5+ Hour Potlife
- <50 g/L VOC Level
- Gloss or Satin Finish
- Water Based
- Apply Direct To Concrete/Damp Concrete

Benefits

- Resists Disbondment From Moisture Vapor
- Excellent Chemical & Abrasion Resistance
- Application Friendly
- Compliant to LEED 4.2
- Final Appearance Options
- Ease of Application and Clean Up
- No Primer Required, Tolerant of Moisture

Recommended Uses

- Industrial Floors
- Warehouse Floors
- Automotive Showrooms
- Bathrooms
- Laboratories
- Assembly & Production Areas
- Commercial Buildings
- Schools
- Hospitals
- Offices
- Retail Facilities
- USDA Inspected Areas



Product Characteristics

Finish: Gloss or Satin
Color: Clear*, Tile Red, Deck Gray, Haze Gray and a wide range of tinted colors using CCE colorants
 Safety Colors Gloss only
 *For clear use UltraDeep Base
Volume Solids: 41% ± 2%, mixed, may vary by color
Weight Solids: 50% ± 2%, mixed, may vary by color
VOC (EPA Method 24): <50 g/L; 2.8 lb/gal, mixed
Mix Ratio: 4:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	5.0 (125)	10.0 (250)
Dry mils (microns)	2.0 (50)	4.0 (100)
~Coverage sq ft/gal (m²/L)	160 (4.1)	320 (8.1)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	656 (16.0)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	1 hour	45 minutes	25 minutes
To recoat*:			
minimum:	8 hours	6 hours	3 hours
maximum:	30 days	30 days	30 days
Foot Traffic:		18 hours	
Heavy Traffic:		48 hours	
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
*If recoating after 30 days, abrade surface first.			
Pot Life:	8 hours	5+ hours	3½ hours
Sweat-in-Time:	None	None	None

Shelf Life: Part A: 24months, unopened
 Part B: 36 months
 Store indoors at 40°F (4.5°C) to 100°F (38°C)
Flash Point: >230°F (110°C), Seta Flash, mixed
Reducer/Clean Up: Water

Performance Characteristics

Substrate*: Concrete
Surface Preparation*: Clean, dry, sound
System Tested*:
 2 cts. ArmorSeal 8100 @ 2.0 - 4.0 mils (50-100 microns) dft

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	150 mg loss
Adhesion	ASTM D4541	550 psi concrete
Finish	Satin Gloss	15-25 units@ 85° 90+ units @ 60°
Flexibility	ASTM D 522	180° bend 1/8" mandrel
Impact Resistance	ASTM D2794	Direct 100 in.lb. Indirect 80 in.lb.
Pencil Hardness	ASTM D3363	H
WVP Perms (US)	Grains(hr ft2 in Hg)	Gloss – 2.0 Satin – 5.0

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