



ROCKHARD USA

ROCKHARD USA is a self-leveling, non-solvent clear resin epoxy coating with superior properties for hardness, adhesion, durability, chemical resistance, and dust proofing. ROCKHARD USA is a two component, 100% solid epoxy coating that has excellent performance and smoothness for producing a seamless finish after application. ROCKHARD USA is most effective for interior design applications and meets LEED standards. The coating will control moisture vapor emission rates over 10-12 lb. /24 hr./1000 square feet.

USAGE:
ROCKHARD USA epoxy coating material is designed for concrete surfaces, including countertops, flooring, bars, and tabletops as well as other hard surface types.

MATERIAL TYPE:
A two component resinous epoxy coating material.

SPECIFICATION

	Category	41 F	68 F	86 F
Drying time	Set-to-touch	10 hours	5 hours	3 hours
	Dry-through	32 hours	16 hours	10 hours
	Over-coat(Max.)	48 hours	36 hours	18 hours
	Maturation time	9 days	4 days	3 days
	Pot life	40 minutes	20 minutes	10 minutes
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.				
The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.				
Thinner	Not Applicable	Dilution ratio	No dilution	
Specific gravity	Approx. 1.09		In case of high viscosity in the winter season, dilute within the volume ratio 1%	
Theoretical Coverage	3.4 kg/m ² (Based on 3.0 mm)	Solid volume ratio	96±3 %	
Color	Clear (Compounds)	Thickness of dried film	2~3 mm	
Mixing ratio	base(A)/hardener(B)=3/1 (Weight ratio)	Gloss	Glossy	
Shelf life	12 months	Packaging unit	16L (Compounds)	

HOW TO USE

SURFACE TREATMENT:
Concrete surfaces must be cured for at least 28 days at a temperature of 21°C/70°F Celsius or higher with a relative humidity of 50%. For maximum performance, concrete surfaces that have any existing oil, moisture, sand, dust, laitance, and other foreign matter must be removed from the surface before starting the application.

COATING CONDITIONS:
Atmosphere Temperature: 5-35°C/41-95°F, Surface Temperature: 40°C/104°F Celsius or below, Relative Humidity: 80% or less, Moisture Content in Concrete: 6% or less. Due to the nature of the epoxy material, a difference in color tint may be shown over time if the existing surface is a brighter color. The degree of occurrence for yellowing varies depending on the long-term exposure to sunlight or the usage of extreme indoor lighting fixtures, etc. Applying this material at thinner coverage levels than the recommended amount may cause a further delay in the epoxy drying time, decline hardness abilities, or cause skid marks, whitening streaks, etc.

COATING METHOD:
Reinforce surface cracks, crevices, and joints between walls and floors with an epoxy joint filler product or putty before the first coat. Apply with an industrial-grade floor trowel squeegee. Care should be taken since problems such as cratering may occur upon applying coating too thin. (2mm or less - 1 time)

APPROPRIATE CONSTRUCTION SPECIFICATIONS:
Primer: ROCKHARD USA clear epoxy primer
Top Coat: ROCKHARD USA epoxy cover coat

DISCLAIMER: Included in this Epoxy Kit are 2 Part A's and 1 Part B. Please carefully follow the instructions that apply to your specific application needs.
MIX BY VOLUME: If using entire kit or Mixing by Volume (Parts), Mix 2 Parts A to 1 Part B
MIX BY WEIGHT: If Kit is broken down for small-scale projects, use scale for calculating accurate Mix by Weight ratio of 3 Parts A & 1 Part B.

