

USG DUROCK™ BRAND RH-100™ MOISTURE VAPOR REDUCER

Technical Data	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	KOSTER VAP I® 2000 FS ²
Composition	2-Part, 100% solids epoxy	2-Part, 100% solids epoxy
Moisture Levels (ASTM F2170)	Up to 100% RH	Up to 100% RH
Alkalinity	Up to 14 pH	Up to 14 pH
Working Time³	20 minutes at 77 °F (25 °C)	Approx. 12 min.
Minimum Thickness	13 mils	≥ 11 mils
Permeance (ASTM E96)	.050 (grains/h/sq. ft./in. Hg) at 13 mil. .042 (grains/h/sq. ft./in. Hg) at 16 mil.	.070 (grains/h/sq. ft./in. Hg) at 11 mil. .047 (grains/h/sq. ft./in. Hg) at 16 mil.
Coverage	375 sq. ft. (34.8 sq. m.) per 3 gal. (11.3 L) kit	360 sq. ft. (33.4 sq. m.)/ 2.4 gal. (9 L) kit
Approximate Dry Time³	4 hours	4-5 hours
Walkable	4 hours	4-5 hours
VOC Content	Part A: 0 g/L, Part B: 0 g/L, Mixed: 0 g/L, ASTM D3960	0 g/L (mixed)
VOC Emissions	Low ⁴	Low
Website	usg.com	kosterusa.com

Surface Preparation	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	KOSTER VAP I® 2000 FS ²
Concrete Slab Cure Minimum	5 days	7 days
Minimum Maintained Temperature	45 °F (8 °C) ⁵	50 °F (10 °C)
Damp Concrete	Yes	Yes
Minimum Concrete Surface Profile	CSP 3-4	CSP 3
Shot Blasting Required	Yes	Yes

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

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SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

NOTES:

1. Data taken from *USG Durock™ Brand RH-100™ Moisture Vapor Reducer Submittal* (CB670/rev. 7-17).
2. Competitive product data taken from Koster American Corp. Technical Data Sheet CT 233 issued 5-19-16.
3. Warmer temperatures can decrease working/dry time, and cooler temperatures and high humidity can increase working/dry time on both products.
4. USG Durock™ RH-100™ Moisture Vapor Reducer is defined as a "Low Emitting" material per California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (CA Section 01350) for school classroom, single-family residence, and private-office modeling scenarios, and meets USGBC's LEED v4 emission requirements.
5. To ensure that condensation does not form, it is extremely important to check the surface temperature of the concrete just prior to installation to verify that this temperature is at least 5 °F (3 °C) higher than the dew point for the given temperature and humidity in the space and rising.

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