

USG DUROCK™ BRAND RH-100™ MOISTURE VAPOR REDUCER

Technical Data	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	AC•Tech 2170™ Vapor Reduction Epoxy 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 min. at 77 °F (25 °C)	35 min. at 75 °F (24 °C)
Minimum Thickness	13 mils	12 mils
Permeance (ASTM E96)	.050 (grains/h/sq. ft./in. Hg) at 13 mil. .042 (grains/h/sq. ft./in. Hg) at 16 mil.	.06 (grains/h/sq. ft./in. Hg) at 16 mil.
Coverage	Up to 375 sq. ft. (34.8 sq. m.) per 3 gal. (11.3 L) kit	240 sq. ft. (22.2 sq. m.) per mixed unit
Approximate Dry Time³	4 hours	12 hours
Walkable	4 hours	8 hours
VOC Emissions	Low ⁴	0 g/L
Website	usg.com	actechperforms.com

Surface Preparation	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	AC•Tech 2170™ Vapor Reduction Epoxy ²
Concrete Slab Cure Minimum	5 days	3-5 days
Minimum Maintained Temperature⁵	45 °F (8 °C)	50 °F (10 °C)
Damp Concrete	Yes	Yes
Minimum Concrete Surface Profile	CSP 3-4	CSP 3-4
Shot Blasting Required	Yes	Yes

NOTES:

1. Data taken from *USG Durock™ Brand RH-100™ Moisture Vapor Reducer Submittal* (CB670/rev. 7-17).
2. Competitive data taken from *AC•Tech 2170™ Technical Data Sheet Rev. 9.22.2015*.
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, 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.

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.

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