

USG DUROCK™ BRAND RH-100™ MOISTURE VAPOR REDUCER

Technical Data	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	ARDEX MC™ Rapid 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)	20 min at 70 °F (21 °C)
Minimum Thickness	13 mils	10 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 10 mil. .06 (grains/h/sq. ft./in. Hg) at 20 mil. (10 mil. + 10 mil. with sand)
Coverage	Up to 375 sq. ft. (34.8 sq. m.) per 3 gal. (11.3 L) kit	250-270 sq. ft. (23-25 sq. m.) per mixed unit
Approximate Dry Time⁴	4 hours	4 hours
Walkable	4 hours	4 hours
VOC Content	Part A: 0 g/L, Part B: 0 g/L Mixed 0 g/L, ASTM D3960	19.9 g/L, A+B, ASTM D2369
VOC Emissions	Low ⁴	N/A
Website	usg.com	ardexamericas.com

Surface Preparation	USG Durock™ Brand RH-100™ Moisture Vapor Reducer ¹	ARDEX MC™ Rapid ²
Concrete Slab Cure Minimum	5 days	7 days
Minimum Maintained Temperature⁵	45 °F (8 °C)	50 °F (10 °C)
Damp Concrete	Yes	No
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.

TRADEMARKS

The trademarks USG, DUROCK, RH-100, IT'S YOUR WORLD. BUILD IT., the USG logo, the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates.

LEED is a registered trademark of the U.S. Green Building Council.

ARDEX MC Rapid is a trademark of Ardex, L.P.

NOTE

The information in this document is subject to change without notice. USG Corp. assumes no responsibility for any errors that may inadvertently appear in this document. Consult your USG Company sales office or representative for information.

NOTICE

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

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 technical data sheet AT301 (07/02/14).
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.

800 USG.4YOU
800 (874.4968)
usg.com

United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

CB738-USA-ENG/rev. 7-17
© 2017 USG Corporation and/or its affiliates. All rights reserved.
Printed in U.S.A.