



Delivering Concrete Solutions

DATA SHEET

Hycrete M1000

For technical assistance contact your local Hycrete Representative or call (201) 386-8110

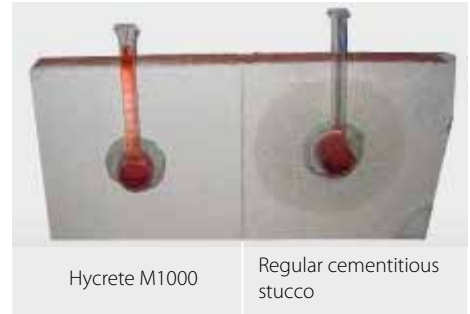
Waterproofing Treatment for Grout, Mortar, and Stucco



PRODUCT DESCRIPTION

Hycrete M1000 is a unique, easy to use waterproofing additive for grout, mortar, and stucco that offers a lasting solution to moisture ingress. Hycrete M1000 closes the capillary network in these cementitious materials providing stain resistance, efflorescence, freeze-thaw protection, enhanced durability, and moisture reduction.

Hycrete M1000 does not affect adhesion or set characteristics and leaves an easily cleanable surface. Hycrete M1000 is a Cradle to Cradle certified, non-toxic, water-based material with no off-gassing and virtually zero VOCs.



3 hour exposure period

KEY BENEFITS

- Unique formulation for integral moisture protection
- No need to reapply
- No additional labor or equipment needed (simply add correct dosage to wet mix)
- May prevent staining of grout or stucco
- High performance treatment for extended life and protection against spills, freeze-thaw damage, bond de-lamination, efflorescence, and mortar/grout degradation
- Environmentally friendly material with no off-gassing and virtually zero VOCs

PRODUCT FEATURES

- Cradle to Cradle™ certified by MBDC
- Compatible with standard admixture metering equipment
- ISO 14021 compliant - recycled content in accordance with Type II environmental labeling; applicable for LEED Materials and Resources Credit 4.1/4.2 - Recycled Content

USES AND APPLICATIONS

- CMU Blocks
- Mortar Cement
- ASTM Stucco
- Repair Mortar & Grout
- Underlayment Grout



PRODUCT PERFORMANCE*

Water absorption	BSI 1881-122	Less than 1% absorption
Crack healing	ASTM C597	Concrete with Hycrete fosters faster and 100% complete healing compared to untreated control
Set time	ASTM C403	Set neutral
Drying shrinkage	ASTM C157	Neutral to the control
Slump	ASTM C143	Neutral
Workability	N/A	Excellent
Effect on concrete color	N/A	None
Compressive strength	ASTM C39	Water/cement ratios may need to be lowered to account for possible, minor strength decreases associated with some materials. Perform trial mixes.

*All benefits and results are based on actual test results. Results may vary according to concrete mix designs, Hycrete M1000 dosage, or other factors.

GENERAL PROPERTIES AND CHARACTERISTICS

Physical characteristics:		Compatibility:				
Form	Liquid	<ul style="list-style-type: none"> ■ Most concrete admixtures ■ Most Portland cements or replacements including fly ash and GGBS (slag) ■ Shotcrete mixes and application ■ Most surface-applied sealants and external membrane protection systems 				
Specific gravity	1.05					
Chloride content	Nil					
pH:	8.5					
Recommended dosage:						
Batch Size	50 Lb. Bag		80 Lb. Bag		1 Cubic Yard	
	Stucco	Mortar/Grout	Stucco	Mortar/Grout	Stucco	Mortar/Grout
Hycrete M1000 dose	7 Fl.Oz.	9 Fl.Oz.	12 Fl.Oz.	14 Fl.Oz.	2 Gallons	3 Gallons
Packaging:						
1 gallon bottles; 5 gallon pails; 55 gallon drums; 275 gallon totes; bulk tanker delivery						
Storage and handling:						
Store above 32°F (0 °C) and below 120 °F (48 °C). Slight flocculation can occur over time due to pH reductions. Such flocculation does not affect product performance						

NOTES

- Mixes may need to be adjusted to meet compressive strength requirements. User should perform trial mixes prior to placement and make necessary adjustments to the mix design as needed.
- For air-entrained mixes or if considering dosages other than recommended dosage contact Technical Services before use.

SAFETY

Hycrete M1000 is a water-based material and should not be swallowed or come into contact with skin or eyes. Wear suitable protective gloves and goggles. If material comes in contact with the skin, wash immediately with soap and water. In case of contact with eyes, rinse immediately with sufficient water and seek medical support. If swallowed, seek immediate medical attention. For further information please consult the Material Safety Data Sheet.

RELATED DOCUMENTS

- Hycrete Mixing Instructions
- Hycrete Material Safety Data Sheet – Hycrete M1000

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Hycrete warrants that its products are free from manufacturing defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Waterproofing performance of the Hycrete M1000 is warranted for 25 years. Hycrete will provide sufficient material to waterproof areas shown to be defective due to Hycrete admixture material deficiencies.

Disclaimer: The information and recommendations relating to the application and end-use of Hycrete Products are based on data that Hycrete, Inc. considers to be true and accurate and is to be used for the users' consideration, examination, and confirmation, but Hycrete, Inc. does not warrant the results acquired. Materials, compositions, and site environments are varied and no warranty can be implied from this information or from any written recommendations, or from any other offered guidance. All orders are accepted subject to Hycrete, Inc.'s terms of sale and delivery. Copies of the most recent version of the Product Data Sheet should always be referenced and are available upon request. See warranty sheet for warranty details (available upon request). Protected under one or more of the following U.S. patents: 7,261,923; 7,381,252; 7,498,090; 7,407,535 and 7,513,948. Additional patents pending and/or issued in the U.S. and internationally.