

# Hycrete DampGuard™

## Damp-Proofing Admixture for Concrete

### Description

Hycrete DampGuard™ is specially formulated for applications that require damp-proofing protection in concrete. Hycrete DampGuard™ utilizes a proprietary technology to reduce absorption of traditional concrete. Hycrete DampGuard™ provides ease of use since it is delivered at the time of concrete pouring and is an environmentally responsible, Cradle to Cradle certified product. Using Hycrete DampGuard™ allows owners and builders to have the comfort of knowing their investment/project remains secure against one of nature's most damaging elements...water.

### Benefits

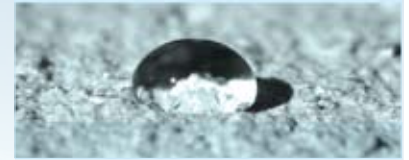
- ❖ Superior performance to crystalline based additives or damp-proof coatings
- ❖ Damp-proofing at the time of concrete placement
- ❖ Environmentally friendly material with virtually no VOCs
- ❖ No waiting for the concrete to cure in order to install external moisture barrier
- ❖ Not subject to damage during backfill operations
- ❖ No additional labor required

### Recommended Applications\*:

- ❖ Tilt-up panel walls
- ❖ Architectural Concrete
- ❖ Above Grade Walls
- ❖ Walls and slab w/ low risk of water exposure

### Dosage

Hycrete DampGuard™ dosage for damp-proofing is 0.5 to 1 US gallons per cubic yard of concrete or 2.5 to 5 liters per cubic meter. Mixes incorporating Hycrete DampGuard™ can be expected to have slightly lower compressive strengths compared to control mixes. Trial batches should be done to verify batch performance and appropriate adjustments to the mix design may be needed prior to use.



### Features

- ❖ Reduced moisture absorption in concrete
- ❖ Certified under MBDC Cradle to Cradle protocol
- ❖ Integral protection for uniform and superior performance
- ❖ Easy to use product using standard admixture metering equipment

## Product Notes

H Y C R E T E D A M P G U A R D

■ <b>Admixture :</b>	Form: Liquid
■ <b>Hycrete DampGuard™</b>	Color: Yellow
	Shelf Life: 2 years
	Specific Gravity: 1.04 - 1.07
	Chloride Content: Nil
	pH: 7.5 - 9.0
■ <b>Performance</b>	Water Absorption: A 50% reduction in water absorption as compared to control under BSI 1881-122 when used according to Hycrete specifications
	Slump: Neutral
	Workability: Excellent
	Cure Time: Neutral
	Compressive Strength: Average 10% reduction (corrected via mix adjustments)
■ <b>Compatibility</b>	Most concrete admixtures and all variations of Portland cements or replacement materials such as PFA, GGBFS, and microsilica.
	Hycrete DampGuard™ is compatible with most surface applied sealants and external membrane protection systems.
■ <b>Curing</b>	No special requirements. Concrete should be cured in accordance with the project specifications.
■ <b>Packaging</b>	1 gallon, 5 gallon pails; 55 gallon drums; 275 gallon totes; bulk tanker delivery
■ <b>Storage &amp; Handling</b>	Hycrete DampGuard™ must be stored above 32 °F (0 °C) and below 158 °F (70 °C)
■ <b>Precautions</b>	For structural concrete applications, compressive strengths may be lower than control mixes. User should perform trial mixes prior to placement and make necessary adjustments to the mix design as needed.

## Cradle to Cradle

*Cradle to Cradle* (C2C) is a nature-inspired design protocol that evaluates, optimizes, and certifies materials, products, and manufacturing processes for their human health, ecological, and life cycle impacts. Hycrete technology is certified as *Cradle to Cradle* Silver since it is composed of materials that are not environmentally hazardous or toxic towards humans, manufactured using renewable energy sources, and developed using recycled content as part of a closed loop manufacturing process.

## Related Documents

Material Safety Data Sheet : Hycrete DampGuard™

## Additional Information

For additional information regarding Hycrete DampGuard™ or its use, please contact your Hycrete, Inc. representative. For warranty concerns, please contact: 1-866-HYCRETE / 1-866-492-7383 or [warranty@hycrete.com](mailto:warranty@hycrete.com).



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