

GARD-DECK® 412 N (MMA)



PRODUCT DESCRIPTION

Gard-Deck® 412 N (MMA) is a two component flexible methyl methacrylate in a self leveling form for fully broadcasted applications. Quartz aggregates are broadcasted into the wet resin to a thickness from 80 mils to as much as 150 mils. It is used in interior flooring applications as a base layer over the primed concrete floor.

PRODUCT USE

Gard-Deck® 412 N (MMA) is used as the primary base coat layer in flooring applications such as machine rooms, industrial floors, rooms with moisture and/or wet areas, or other interior rooms that require a smooth and clean flooring system. For wet rooms the sealing top coat recommended is Gard-Deck® 526. For dry rooms Gard-Deck® 522 can be used.

PACKAGING

Gard-Deck® 412 N (MMA) comes in the following packaging:

10 kg / container	10 kg equals 2.64 US gallons
25 kg / container	25 kg equals 6.60 US gallons

COLOR

Gard-Deck® 412 N (MMA) is a light cloudy color, without adding pigments
Gard-Deck® hardener (BPO): White powder

COVERAGE RATES

Coverage rates:	Gard-Deck® Primer 112	1.0 gal to 1.2 gal / 100 sf
	Gard-Deck® 412 N	2.0 gal to 2.5 gal / 100 sf
	Fire dried Quartz Sand	25 lbs to 30 lbs / 100 sf seeded into wet Gard-Deck® 418 SL
	Top Coat / Seal Coat 522 or 528 or 526	1.0 gal to 1.5 ga; / 100 sf

STORAGE

Product shelf life is 6 months from date of manufacturer. Do not store in direct sunlight. Do not store in temperatures above 77°F (25° C) nor below 59° f (15° C). Store indoors in unopened containers in a well ventilated, cool, dry area and always away from heat, open fire, or points of ignition source.

The information, data and suggestions contained herein are believed to be reliable, based upon our knowledge and experience. For the most up to date information, please visit www.hydro-gard.com. HYDRO-GARD accepts no responsibility for the results obtained through application of this product. HYDRO-GARD reserves the right to update information without notice.

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HANDLING

Keep away from open flames, or sources of ignition. Do not smoke around product. Once mixed with hardener, vapors may exist and can be explosive when mixed in the ambient air. Avoid direct contact with the skin, eyes, and breathing fumes. Always wear personal protective equipment such as: eye protection, gloves and respiratory equipment.

MIXING & CATALYZING

When batch mixing, thoroughly mix the entire container of **Gard-Deck® 412 N (MMA)** resin for 2-3 minutes prior to pouring the mixed resin into a additional container. Add hardener only to mixed resin that can be applied within the specified pot life. Add the pre-measured hardener to the resin component and mix in for approximately 2 minutes using a slow-speed mechanical agitator or mixing stick, then apply as a seal coat or topcoat . For temperatures below 50° f (10° C) hardener will take longer to dissolve and may need additional mixing time. The amount of hardener needed is based on the weight of the resin used , and varies with the ambient temperature as shown in the chart on this data sheet.

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Temp. (°F) of Resin Air & Floor Surface	Hardener by Vol. (Oz.) Based on Gallon of 412 N	Pot Life (min.)	Hardening Time (min.)
+ 41° F	4.5	Approx. 30-40	Approx. 75
+ 50° F	3.5	Approx. 20-30	Approx. 55
+ 68°F	2.0	Approx. 15-25	Approx. 45
+ 86° F	1.0*	Approx. 15-25	Approx. 40

*Do not use less than 1% hardener by weight or less than 1.8% hardener by volume
Consult with **HYDRO-GARD** Technical Service if performing mix ratio by weight instead of by volume.

PHYSICAL PROPERTIES

Percent Reactive	100% (Zero VOC)
Working Life	15-25 min
Re-coat Time	Approx 60 min
Viscosity	Not Determined
Weight per Gallon	8.3 lbs

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WORKING TIMES (at 65° F (20° C))

- Pot Life: approx. 15 to 25 minutes
- Rainproof: approx. 30 to 45 minutes
- Resin coat: approx. 40 to 80 minutes
- Fully Cured: approx. 3 to 6 hours

Note: The above approx times vary depending on substrate and ambient conditions. Actual set (cure) times should be established in the actual field conditions. The information noted on this data sheet should be used as a guide and do not reflect field conditions which may vary.

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