
PRODUCT DESCRIPTION

Gard-Deck® 528 SC (PUMMA) is a two component flexibility methyl methacrylate modified polyurethane used in the application of the Gard-Deck® Pedestrian and Vehicular deck coating systems as a UV resistant top coat.

PRODUCT USE

Gard-Deck® 528 SC (PUMMA) is a cold applied traffic bearing deck coating top coat and is the final seal coat component in the Gard-Deck® vehicular and pedestrian traffic deck coating systems. It is used as a flexible topcoat with high impact resistance and can be used in varying temperatures.

PACKAGING

Gard-Deck® 528 SC (PUMMA) 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
180 kg / drum	180 kg equals 47.55 US gallons

COLOR

Gard-Deck® 528 SC (PUMMA) is clear and translucent without adding pigments
Gard-Deck® hardener: White powder

COVERAGE RATES

Coverage rates shall vary depending of the product system chosen. See installation manuals for Gard-Deck® Vehicular systems and Gard-Deck® Pedestrian systems. Standard coverage rates range from 50 to 90 sf per gallon depending on aggregate embedment in underlying layers. At no time shall Gard-Deck® 528 SC be installed less than 90 sf per gallon.

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 32° F (0° 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.

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® 528 SC (PUMMA)** 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.

Gard-Deck® 528 SC (PUMMA)

Temp. (°F) of Resin Air & Floor Surface	Hardener by Vol. (Oz.) Based on Gallon of 528 SC	Pot Life (min.)	Hardening Time (min.)
+ 40° F	4.5	Approx. 22-30	Approx. 45
+ 50° F	3.5	Approx. 15-20	Approx. 40
+ 60°F	1.5	Approx. 12-15	Approx. 35
+ 70° F	1.0*	Approx. 8-12	Approx. 30
+ 80° F	1.0*	Approx. 7-10	Approx. 25
+ 90° F	1.0*	Approx. 5-7	Approx. 20

*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	10-15 min
Re-coat Time	Approx 60 min
Viscosity	250-270 cps
Weight per Gallon	8.3 lbs

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WORKING TIMES (at 65° F (20° C))

- Pot Life: approx. 12 to 15 minutes
- Rainproof: approx. 30 to 45 minutes
- Resin coat: approx. 45 to 60 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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