



DeckHold Vinyl Decking Adhesive Data Sheet

Description: A water-based adhesive designed to bond LonDeck sheet vinyl decking product, for exterior use only.

Use: For Bonding LonDeck to an approved substrate.

Advantages:

- Water-Based
- Complies with all VOC regulations
- High bond strength
- Single surface application
- Ready to use, no mixing required

Application:

1. Apply the adhesive to the substrate only using a 3/8" nap roller.
2. Allow the adhesive to develop a slight tack before placing the LonDeck. Do not allow the adhesive to fully dry. If the adhesive dries before placement of the material, an additional top layer of adhesive may be applied. Greatmats is not responsible for telegraphing or displacement of too much adhesive, or for poor bond due to insufficient adhesive.
3. Lay the LonDeck into the adhesive, making sure to remove all wrinkles and ensure positive contact with the substrate.
4. Roll in both directions with a minimum of 100 pound, three section roller, checking for full adhesive transfer from the substrate to the back of the material.
5. Allow no foot traffic for a period of 24 hours after the installation, and allow for the adhesive to fully cure, before setting heavy furnishings or allowing heavy traffic.

Clean Up: Promptly clean any adhesive from the flooring material and tools with warm soapy water while the adhesive is still wet/fresh. Cured adhesive may be removed from the flooring using mineral spirits applied to a clean dry cloth. **Always use caution when using mineral spirits.**

Limitations: For exterior use installations only. Protect from freezing. Avoid prolonged sun exposure to low temperatures and do not exceed five freeze/thaw cycles. Use only when the substrate temperature is 65° F – 85° F.

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Physical Properties:

- **Color:** Off White
- **Solids:** 70%
- **VOC:** 65g/L
- **Wt./Gal.:** 10.3 lbs/gal.
- **Shelf Life:** 1 year when store unopened
- **Storage Conditions:** 65°F – 85° F Keep dry and out of direct sunlight in well ventilated area.
- **Application Conditions:** 65°F – 85° F
- **Container Size:** 4 gallon
- **Concrete Requirements:** 5lbs./1,000 ft²/24 h max. MVER; 75% max. RH; 9 pH max. MVER must be diminishing over time. A moisture mitigation system per ASTM F3010 is required for all installations over concrete.

Approximate Spread Rate Table:

NAP ROLLER
3/8"
140-180 sq ft./ gal*
Up to 15 minutes**
Up to 15 minutes***

Note: All information provided in the above table will vary depending on the job site conditions, including temperature, humidity, and substrate porosity.

*Approximate Spread Rate: Actual job site spread rate will vary depending on substrate conditions.

**Open time: Waiting time required before placing the flooring into the adhesive.

***Working Time: Amount of time for the adhesive to accept the flooring material after being applied to the substrate.

Site Conditions: Do not install LonDeck unless the site conditions permit. The site should be dry and protected from precipitation and flooding for a minimum of two weeks prior to installation. Ambient air temperatures should be between 65 degree F and 85 degrees F and should remain within this range throughout the installation and for 72 hours after the installation is complete. Relative humidity extremes should be avoided id possible because of their influence on proper drying and curing pf patching compound adhesives. General recommended humidity level is between 35%-55%. Determine the dew point is critical to LonDeck installation. Refer to the Dew Point chart below. In some climates, installations of LonDeck are limited to only a certain time of the year. Installations with temperatures and/or humidity extremes can result in failure of the adhesive to form an adequate bond.

Note: Do not use temporary gas fired space heaters to warm the installation area. These heaters only create emissions that contaminate the substrate and raise the relative humidity level, but carbon dioxide from the exhaust can create a condition called carbonation, requiring

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the floor and/or substrate to be mechanically cleaned.

Dew Point: The dew point is the temperature at which moisture will condense on the substrate. Adhesives and flooring material should not be applied unless the substrate is a minimum of 5 degrees above this point. The temperature must remain above this during the fully curing process of 72 hours. Use the dew point calculator to determine the dew point, prior to installation.

Dew Point Calculator (°F)									
Relative Humidity	Ambient Air Temperature (°F)								
	60	65	70	75	80	85	90	95	100
95%	58	63	68	73	78	83	88	93	98
90%	56	61	66	71	76	81	86	91	96
85%	55	60	65	70	75	80	85	90	95
80%	53	58	63	68	73	78	83	88	93
75%	51	56	61	66	71	76	81	86	91
70%	49	54	59	64	69	74	79	84	89
65%	47	52	57	62	67	72	77	82	87
60%	46	51	56	61	66	71	76	81	86
55%	44	49	54	59	64	69	74	79	84
50%	42	47	52	57	62	67	72	77	82
45%	40	45	50	55	60	65	70	75	80
40%	38	43	48	53	58	63	68	73	78
35%	37	42	47	52	57	62	67	72	77
30%	35	40	45	50	55	60	65	70	75
25%	33	38	43	48	53	58	63	68	73
20%	31	36	41	46	51	56	61	66	71
15%	29	34	39	44	49	54	59	64	69
10%	28	33	38	43	48	53	58	63	68

Example: If the ambient air temperature is 75 °F and the relative humidity is 55%, then the dew point is 59 °F. No installation should occur unless the substrate temperature will remain above 64 °F (5 °F above the dew point) for the entire duration of the installation and 72 hours afterward.

Greatmats Specialty Flooring
117 Industrial Ave
Milltown, WI 54858
V: 877-822-6622
F: 715-825-4928
info@greatmats.com
www.greatmats.com