

ATTENTION: Always refer to the **Londeck Manual** for complete installation information prior to using this product. Lonseal reserves the right to change our products' design, material, and/or to improve products or processes at any time without notice. Installation procedures and use of Lonseal adhesives must be in strict accordance with Lonseal's technical documents for warranty terms to be valid. **Please review the website for the most current technical information.**

DESCRIPTION: A water-based adhesive designed for bonding 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 necessary

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 dry. If the adhesive dries before placement of the material, an additional layer of adhesive may be applied. Lonseal 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 100 lb., 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 72 hours 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 fresh/wet. Cured adhesive may be removed from the flooring material and tools using mineral spirits applied to a clean, dry cloth. **Always use caution when working with mineral spirits.**

LIMITATIONS: For exterior installations only. Protect from freezing. Avoid prolonged exposure to low temperatures and do not exceed five freeze/thaw cycles. Use only when the substrate temperature is 65 °F – 85 °F (18.3 °C – 29.4 °C).

PHYSICAL PROPERTIES:

- ▶ **Color:** Off-white
- ▶ **Solids:** 70%
- ▶ **VOC:** 65 g/L
- ▶ **Wt. /Gal.:** 10.3 lbs./gal.
- ▶ **Shelf Life:** 1 year, when stored unopened
- ▶ **Storage Conditions:** 65 °F – 85 °F (18.3 °C – 29.4 °C); keep dry and out of direct sunlight in a well-ventilated area.
- ▶ **Application Conditions:** 65 °F – 85 °F (18.3 °C – 29.4 °C)
- ▶ **Container Size:** 4 gal.
- ▶ **Concrete Requirements:** 5 lbs./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 adjacent 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 the substrate conditions.

†OPEN TIME: Waiting time required before placing the flooring material 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 ° – 85 °F (18.3 °C – 29.4 °C), and should remain within this range throughout the installation, and for 72 hours after the installation is complete. Relative humidity extremes should be avoided if possible because of their influence on proper drying and curing of patching compounds and adhesives. General recommended humidity level is between 35% – 55%. Determining the dew point is critical to Londeck installation. Refer to **Dew Point** on the next page. In some climates, installations of Londeck are limited to only a certain time of year. Installations with temperature 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 cannot 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 the floor and/or substrate to be mechanically cleaned.

#180 DECKHOLD
VINYL DECKING ADHESIVE

TECHNICAL
DATA
SHEET

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 temperature is a minimum of 5°F above this point. The temperature must remain above this during the full curing process of 72 hours. Use the dew point calculator below 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.