

SIKA CORPORATION • ROOFING

ADHESIVE SELECTION GUIDE

Adhesive	Use	VOC Compliance		VOC Content	Application Temperature Restrictions ⁽¹⁾
		EPA / OTC	LEED / SCAQMD		
Sikaplan Single-Step	Sikaplan Membrane	Yes	Yes	240 g/L	40°F (4°C) +
Sarnacol 2121	All Membranes	Yes	Yes	240 g/L	40°F (4°C) +
Sarnacol 2170	All Membranes & Wall Flashing	No ⁽²⁾	No ⁽²⁾	694.2 g/L	None ⁽³⁾
Sarnacol 2170 VC	All Membranes & Wall Flashing	Yes	No	348 g/L, 0 g/L with exempt solvents	None ⁽³⁾
Sarnacol 2175	Wall Flashing	Yes	Yes	191 g/L, 96g/L with exempt solvents	40°F (4°C) +
Sarnacol AD Feltback Membrane	All Feltback Membranes	Yes	Yes	32 g/L	25°F (-4°C) +
Sarnacol OM Feltback Membrane	All Feltback Membranes	Yes	Yes	32 g/L	40°F (4°C) +
Sarnacol 2163	Insulation / Cover Board	Yes	Yes	18 g/L	None
Sarnacol AD Board	Insulation / Cover Board	Yes	Yes	32 g/L	25°F (-4°C) +
Sarnacol OM Board	Insulation / Cover Board	Yes	Yes	11 g/L	Cartridges & Boxes: 40°F (4°C) + Drums: 35°F (2°C) +
Sarnacol OM Board WG	Insulation / Cover Board	Yes	Yes	50 g/L	Cartridges: 0°F (-18°C) to 65°F (18°C) Drums: 25°F (-4°C) to 65°F (18°C)
Sarnacol OM Adhesive	Insulation / Cover Board / All Feltback Membranes	Yes	Yes	25 g/L	40°F (4°C) to 100°F (38°C)
Polyset CR-20 (HFO)	Insulation / Cover Board	Yes	Yes	98 g/L	30 °F (-1°C) to 100 °F (38°C)
Vapor Retarder Adhesive CA	Vapor Retarders	Yes	Yes	32 g/L	41°F (5°C) +
Vapor Retarder Adhesive CA SB	Vapor Retarders	Yes	Yes	250 g/L	32°F (0°C) +

Adhesive	Packaging	ISO organic face & DensDeck & OSB ⁽⁴⁾ & Concrete ⁽⁴⁾ (structural, structural lightweight, LWIC)	ISO / HD glass face & DensDeck Prime & Smooth Plywood & Securock Fiber ⁽⁴⁾	Gypsum Deck ⁽⁴⁾ & Aged Smooth Asphalt ⁽⁴⁾ & Granular Asphalt ⁽⁴⁾	Polystyrene Insulation & Cementitious Wood Fiber Deck
		Coverage Rate ⁽⁵⁾ ft ² per gallon [total ft ² per packaging]			
Sikaplan Single-Step	5 gal. pail	100 [500]	100 - 133 [500 - 665]	NA	NA
Sarnacol 2121	5 gal. pail	100 [500]	100 - 133 [500 - 665]	NA	NA
Sarnacol 2170 ⁽⁶⁾	5 gal. pail	44 - 57 [220 - 285]	50 - 67 [250 - 335]	NA	NA
Sarnacol 2170 VC ⁽⁶⁾	5 gal. pail	44 - 57 [220 - 285]	50 - 67 [250 - 335]	NA	NA
Sarnacol 2175 ⁽¹⁰⁾	(1) canister	[400 - 600]	[400 - 600]	NA	NA
Sarnacol AD Feltback Membrane ⁽⁷⁾	(4) 1.5L cartridges	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾	NA
	10 gal. bag-in-boxes	250 - 300 [2,500 - 3,000]	250 - 300 [2,500 - 3,000]	250 - 300 [2,500 - 3,000]	NA
	30 gal. drums	250 - 300 [7,500 - 9,000]	250 - 300 [7,500 - 9,000]	250 - 300 [7,500 - 9,000]	NA
	100 gal. drums	250 - 300 [25,000 - 30,000]	250 - 300 [25,000 - 30,000]	250 - 300 [25,000 - 30,000]	NA
Sarnacol OM Feltback Membrane ⁽⁷⁾	(4) 1.5L cartridges	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾	NA
	10 gal. bag-in-boxes	170 - 250 [1,700 - 2,500]	170 - 250 [1,700 - 2,500]	120 - 170 [1,200 - 1,700]	NA
Sarnacol 2163 ⁽⁷⁾⁽⁸⁾	(4) 1.5L cartridges	[600]	[600]	[600]	[600]
Sarnacol AD Board ⁽⁷⁾	10 gal. bag-in-boxes	250 - 300 [2,500 - 3,000]	250 - 300 [2,500 - 3,000]	250 - 300 [2,500 - 3,000]	250 - 300 [2,500 - 3,000]
	30 gal. drums	250 - 300 [7,500 - 9,000]	250 - 300 [7,500 - 9,000]	250 - 300 [7,500 - 9,000]	250 - 300 [7,500 - 9,000]
	100 gal. drums	250 - 300 [25,000 - 30,000]	250 - 300 [25,000 - 30,000]	250 - 300 [25,000 - 30,000]	250 - 300 [25,000 - 30,000]
Sarnacol OM Board ⁽⁷⁾	(4) 1.5L cartridges	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾
	10 gal. bag-in-boxes	170 - 250 [1,700 - 2,500]	170 - 250 [1,700 - 2,500]	120 - 170 [1,200 - 1,700]	120 - 250 [1,200 - 2,500]
	30 gal. drums	170 - 250 [5,100 - 7,500]	170 - 250 [5,100 - 7,500]	120 - 170 [3,600 - 5,100]	120 - 250 [3,600 - 7,500]
Sarnacol OM Board WG ⁽⁷⁾	100 gal. drums	170 - 250 [17,000 - 25,000]	170 - 250 [17,000 - 25,000]	120 - 170 [12,000 - 17,000]	120 - 250 [12,000 - 25,000]
	(4) 1.5L cartridges	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾	[600] ⁽⁸⁾
Sarnacol OM Board WG ⁽⁷⁾	10 gal. bag-in-boxes	170 - 250 [1,700 - 2,500]	170 - 250 [1,700 - 2,500]	120 - 170 [1,200 - 1,700]	120 - 250 [1,200 - 2,500]
Sarnacol OM Adhesive ⁽⁹⁾	(2) canisters	[3,500]	[3,500]	[3,500]	[3,500]
Polyset CR-20 (HFO)	(2) canisters	[3000 - 3500]	[3000 - 3500]	[3000 - 3500]	[3000 - 3500]
Vapor Retarder Adhesive CA	5 gal. pail	50 [250]	50 [250]	50 [250]	NA
Vapor Retarder Adhesive CA SB	5 gal. pail	50 [250]	50 [250]	50 [250]	NA

⁽¹⁾ Adhesive shall not be used if temperatures are expected below listed temperature during application or subsequent drying time. Check individual product data sheets for proper storage and conditioning temperatures.

⁽²⁾ Contact Sika Corporation - Roofing Technical Department for an OTC or SCAQMD approved adhesive.

⁽³⁾ Do not install when air temperature is within 5° of dew point.

⁽⁴⁾ Feltback Membrane only

⁽⁵⁾ Coverage rate displayed as an average range, bareback vs feltback membrane as well as porous vs non-porous substrates, application method, temperature, and experience with product are some variables which will effect listed values.

⁽⁶⁾ 2-sided application method

⁽⁷⁾ Coverage based on 12" o/c bead spacing

⁽⁸⁾ Coverage based on total ft² of (4) 1.5L cartridges

⁽⁹⁾ Coverage based on total ft² of (1) 48 lb canister of Part A and (1) 44 lb canister of Part B

⁽¹⁰⁾ For flashing only

