



NATURE'S FINEST
LIMESTONE ROCK
ASPHALT

PRECOAT

PROTECT YOUR INVESTMENT

Vulcan
Materials Company

VULCAN MATERIALS COMPANY

At Vulcan's mining and process facility in Uvalde, Texas, Vulcan produces the premier line of precoat aggregates in the Texas market. Unlike conventional aggregates, Limestone Rock Asphalt Precoat is lighter in weight and has natural bitumen content in the rock. The combination of lighter weight material and natural bitumen content means extra coverage and greater adherence to the liquid asphalt.

Limestone Rock Asphalt Precoat has excellent performance using a variety of asphalts. Precoat can be produced in a modified format that is predominately one size for high volume roadways. LRA Precoat meets the specifications required by TxDOT Item 302.

PROTECT YOUR INVESTMENT WITH VULCAN'S LIMESTONE ROCK ASPHALT PRECOAT

YIELD ADVANTAGE



Has a 10% yield advantage over most competing products (LRA conversion 1.05 tons per cubic yard)

WORKABILITY



Greater adherence to asphalt than conventional aggregates

ONE SIZE



Produced in a modified format that is predominately one size

Special blends can be made to meet your required specifications. Our customer service team is ready to assist you with ensuring you get the best product for your next seal coat project.

LIMESTONE ROCK ASPHALT PRECOAT TYPES AND USES

PRODUCT GRADE	APPLICATION RATE* (Square Yards Per Cubic Yard)	TYPICAL USES
PB-3	95-105	Coarse Surface, Longer Wear Life, Heavy Traffic
PB-4	110-120	Medium Surface, Moderate/Long Wear Life, Medium Traffic
PB-5	125-135	Smooth Surface, Low Traffic, Shoulder, Jogging/Bicycle Lane

*Rates may vary (Aggregate Size, Weight, Road Conditions, etc.)

AGGREGATE GRADATION REQUIREMENTS (Cumulative % Retained¹)

SIEVE	GRADE								
	1	2	3S ²	3		4S ²	4	5S ²	5
				Non-Lightweight	Lightweight				
1"	—	—	—	—	—	—	—	—	—
7/8"	0-2	0	—	—	—	—	—	—	—
3/4"	20-35	0-2	0	0	0	—	—	—	—
5/8"	85-100	20-40	0-5	0-2	0-2	0	0	—	—
1/2"	—	85-100	55-85	20-40	10-25	0-5	0-5	0	0
3/8"	95-100	95-100	95-100	80-100	60-80	60-85	20-40	0-5	0-5
1/4"	—	—	—	95-100	95-100	—	—	65-85	—
#4	—	—	—	—	—	95-100	95-100	95-100	50-80
#8	99-100	99-100	99-100	99-100	98-100	98-100	98-100	98-100	98-100

1. Round test results to the nearest whole number.
2. Single-size gradation.

Vulcan's Limestone Rock Asphalt is the right product for you.
Give us a call today to schedule delivery.

GET A QUOTE TODAY: 1-830-278-6205

ESTIMATED QUANTITIES FOR PRECOAT

RATES MAY VARY
(AGGREGATE SIZE, WEIGHT, ROAD CONDITIONS, ETC)

RATE OF APPLICATION FOR GRADE 4		105	1.05
AREA IN SQUARE FEET	AREA IN SQUARE YARDS	ESTIMATED CUBIC YARDS	CONVERSION TO TONS
1,000	111	1	1
2,000	222	2	2
3,000	333	3	3
4,000	444	4	4
5,000	556	5	6
6,000	667	6	7
7,000	778	7	8
8,000	889	8	9
9,000	1,000	10	10
10,000	1,111	11	11
20,000	2,222	21	22
30,000	3,333	32	33
40,000	4,444	42	44
50,000	5,556	53	56
60,000	6,667	63	67
70,000	7,778	74	78
80,000	8,889	85	89
90,000	10,000	95	100
100,000	11,111	106	111
200,000	22,222	212	222
300,000	33,333	317	333
400,000	44,444	423	444
500,000	55,556	529	556
600,000	66,667	635	667
700,000	77,778	741	778
800,000	88,889	847	889
900,000	100,000	952	1000
1,000,000	111,111	1058	1111

TWO KEY ITEMS - RATE OF APPLICATION & YOUR AGGREGATE WEIGHT

RATE OF APPLICATION FOR GRADE 3 (ONE CUBIC YARDS COVERS 90 SQUARE YARDS)

RATE OF APPLICATION FOR GRADE 3		90	1.05
AREA IN SQUARE FEET	AREA IN SQUARE YARDS	ESTIMATED CUBIC YARDS	CONVERSION TO TONS
1,000	111	1	1
2,000	222	2	3
3,000	333	4	4
4,000	444	5	5
5,000	556	6	6
6,000	667	7	8
7,000	778	9	9
8,000	889	10	10
9,000	1,000	11	12
10,000	1,111	12	13
20,000	2,222	25	26
30,000	3,333	37	39
40,000	4,444	49	52
50,000	5,556	62	65
60,000	6,667	74	78
70,000	7,778	86	91
80,000	8,889	99	104
90,000	10,000	111	171
100,000	11,111	123	130
200,000	22,222	247	259
300,000	33,333	370	389
400,000	44,444	494	519
500,000	55,556	617	648
600,000	66,667	741	778
700,000	77,778	864	907
800,000	88,889	988	1037
900,000	100,000	1111	1167
1,000,000	111,111	1235	1296

EXAMPLE: One mile x 20' wide - $5280' \times 20' = 105,600$ sq ft / 9 = 11,733 sq yd / 90 agg rate = 130 cubic yards of material

- Limestone Rock Asphalt Precoat weighs 2,100 lbs / cu yd or 1.05 tons per cubic yard
- Most Limestone Aggregates weigh 2,200 lbs / cu yd or 1.10 tons per cubic yard
- Traprock Aggregates weigh 2,700 lbs / cubic yard or 1.35 tons per cubic yard

EXAMPLE:

- Limestone Rock Asphalt - 130 cu yds x 1.05 requires 136 tons
- Limestone Aggregates - 130 cu yds x 1.10 requires 143 tons
- Traprock Aggregates - 130 cu yds x 1.35 requires 175 tons



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UVALDE QUARRY
1-830-278-6205