



INDOT AGGREGATE SPECIFICATIONS 2019

COARSE AGGREGATE SIZES (PERCENT PASSING)

Sieve Sizes	COARSE GRADED								DENSE GRADED	
	2	5	8	9	11	12	43 ⁽¹⁾	91	53 ⁽¹⁾	73 ⁽¹⁾
4 in. (100 mm)										
3 1/2 in. (90 mm)										
2 1/2 in. (63 mm)	100									
2 in. (50 mm)	80 - 100									
1 1/2 in. (37.5 mm)		100					100		100	
1 in. (25 mm)	0 - 25	85 - 98	100				70 - 90	100	80 - 100	100
3/4 in. (19 mm)	0 - 10	60 - 85	75 - 95	100			50 - 70		70 - 90	90 - 100
1/2 in. (12.5 mm)	0 - 7	30 - 60	40 - 70	60 - 85	100	100	35 - 50		55 - 80	60 - 90
3/8 in. (9.5 mm)		15 - 45	20 - 50	30 - 60	75 - 95	95 - 100				
No. 4 (4.75 mm)		0 - 15	0 - 15	0 - 15	10 - 30	50 - 80	20 - 40		35 - 60	35 - 60
No. 8 (2.36 mm)		0 - 10	0 - 10	0 - 10	0 - 10	0 - 35	15 - 35		25 - 50	
No. 30 (600 um)						0 - 4	5 - 20		12 - 30	12 - 30
No. 200 (75 um) ⁽²⁾							0 - 6.0		5.0 - 10.0 ⁽⁴⁾	5.0 - 12.0
Decant (PCC) ⁽³⁾		0 - 1.5	0 - 1.5	0 - 1.5	0 - 1.5	0 - 1.5		0 - 1.5		
Decant (Non-PCC)	0 - 2.5	0 - 2.5	0 - 3.0	0 - 2.5	0 - 2.5	0 - 2.0		0 - 2.5		

Notes: 1. The liquid limit shall not exceed 25 (35 if slag) and the plasticity index shall not exceed 5. The liquid limit shall be determined in accordance with AASHTO T 89 and the plasticity index in accordance with AASHTO T 90.
 2. Includes the total amount passing the No. 200 (75 μm) sieve as determined by AASHTO T 11 and T 27.
 3. Decant may be 0-2.5 for stone and slag.
 4. When slag is used for separation layers as defined in 302.01, the total amount passing the No. 200 (75 μm) sieve shall be 10.0 to 12.0

FINE AGGREGATES

Sieve Sizes	SIZES (PERCENT PASSING)					
	23	24	15	16	PP	S&I
3/8 in. (9.5 mm)	100	100				100
No. 4 (4.75 mm)	95 - 100	95 - 100			100	
No. 6 (3.35 mm)			100			
No. 8 (2.36 mm)	80 - 100	70 - 100	90 - 100		85 - 95	
No. 16 (1.18 mm)	50 - 85	40 - 80				
No. 30 (600 um)	25 - 60	20 - 60	50 - 75	100	50 - 65	
No. 50 (300 um)	5 - 30	7 - 40	15 - 40		15 - 25	0 - 30
No. 80 (180 um)				95 - 100		
No. 100 (150 um)	0 - 10	1 - 20	0 - 10		0 - 10	
No. 200 (75 um)	0 - 3	0 - 6	0 - 3	65 - 100		0 - 7

SEAL COAT AGGREGATES

Sieve Sizes	PERCENT PASSING		
	SC11	SC12	SC16
1/2 IN. (12.5 mm)	100	100	100
3/8 IN. (9.5 mm)	75 - 95	95 - 100	94 - 100
No. 4 (4.75 mm)	10 - 30	50 - 80	15 - 45
No. 8 (2.36 mm)	0 - 10	0 - 35	
No. 16 (1.18 mm)			0 - 4
No. 30 (600 um)			
Decant	0 - 1.5	0 - 1.5	0 - 1.5

The material shall be 85% single face crushed, 80% two faced crushed. The Flakiness Index in accordance with ITM 224 shall be a maximum of 25%.

STRUCTURE BACKFILL

Sieve Sizes	NOMINAL SIZES AND PERCENT PASSING					
	2 IN. (50 mm)	1 1/2 IN. (37.5 mm)	1 IN. (25.0 mm)	1/2 IN. (12.5 mm)	No. 4 (4.75 mm)	No. 30 (600 um)
2 1/2 in. (63 mm)	100					
2 in. (50 mm)	90 - 100	100				
1 1/2 in. (37.5 mm)	70 - 100	90 - 100	100	100		
1 in. (25.0 mm)	55 - 95	70 - 100	85 - 100			
3/4 in. (19.0 mm)	45 - 90	55 - 95	70 - 100			
1/2 in. (12.5 mm)	35 - 85	40 - 90	55 - 95	85 - 100	100	100
No. 4 (4.75 mm)	20 - 65	20 - 70	25 - 75	45 - 85	90 - 100	
No. 8 (2.36 mm)	10 - 50	10 - 55	15 - 60	25 - 75	75 - 100	
No. 30 (600 um)	3 - 35	3 - 35	3 - 35	5 - 45	15 - 70	70 - 100
No. 200 (75 um)	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8	0 - 8

RIP RAP

GRADATION REQUIREMENTS					
Percent Smaller					
Size, in. (mm)	Revetment	Class 1	Class 2	Uniform A	Uniform B
30 (750)			100		
24 (600)		100	85 - 100		
18 (450)	100	85 - 100	60 - 80		
12 (300)	90 - 100	35 - 50	20 - 40		
8 (200)				100	
6 (150)	20 - 40	10 - 30	0 - 20	35 - 80	95 - 100
3 (75)	0 - 10	0 - 10	0 - 10		35 - 80
1 (25)				0 - 20	0 - 20
Depth of Riprap, minimum	18 in. (450 mm)	24 in. (600 mm)	30 in. (750 mm)		

