

**CITY OF COLUMBUS
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION
SUPPLEMENTAL SPECIFICATION 1530
LIGHT TRAFFIC ASPHALT MIXTURE COMPOSITION
November 8, 2019**

1530.00 Purpose of the Specification
1530.01 Composition
1530.02 Basis of Payment

1530.00 Purpose of the Specification: The purpose of the Supplemental Specification 1530 Light Asphalt Mixture Composition is to provide the composition requirements for asphalt mixtures to be applied in light traffic applications such as parking lots, driveways, bike paths, shared use paths and other applications where typical roadway compositions would not be applicable. The requirements of 401, 441, and 448 apply, except as modified below.

1530.01 Composition. Compose the mixture to meet the following requirements. Use a PG 64-22 binder for all courses. Refer to 441.02 for all other requirements.

Asphalt Mixture Composition

Property	Type 1 Surface	Type 1 Intermediate	Type 2 Intermediate
1 1/2 inch (37.5 mm) ^[1]			100
1 inch (25.0 mm) ^[1]			95-100
3/4 inch (19.0 mm) ^[1]			85-100
1/2 inch (12.5 mm) ^[1]	100	100	65-85
3/8 inch (9.5 mm) ^[1]	90-100	90 to 100	
No. 4 (4.75 mm) ^[1]	50-63	50-72	35-60
No. 8 (2.36 mm) ^[1]	35-50	30 to 55	25-48
No. 16 (1.18 mm) ^[1]	22-40	17 to 40	16-36
No. 30 (600 μm) ^[1]	15-30	12 to 30	12-30
No. 50 (300 μm) ^[1]	7-20	5 to 20	5 to 18
No. 100 (150 μm) ^[1]	2-8	2 to 8	2 to 8
No. 200 (75 μm) ^[1]			
Asphalt Binder ^[2]	5.8-10.0	5.0 to 10.0	4.0 to 9.0
F/A Ratio, max. ^[3]	1.2	1.2	1.2
Blows ^[5]	35	35	35
Stability, min., pounds ^[5] (N)	750 (3336)	750 (3336)	750 (3336)
Flow, 0.25 mm ^[5]	8 to 18	8 to 18	8 to 18
Design Air Voids ^[6]	3.5	3.5	4.0
VMA, min. ^[7]	16	16	13

[1] Sieve, percent passing
[2] Percent of total mix
[3] Using effective asphalt binder content
[5] T-245
[6] Percent, City of Columbus Supplement 1036
[7] Percent, City of Columbus Supplement 1037

Ensure RAP usage follows the requirements for 441 surface and intermediate courses in 401.04.

1530.02 **Basis of Payment.** The Department will pay for accepted quantities at the contract prices as follows:

Item	Unit	Description
1530	Cubic Yard	Asphalt Concrete Surface Course, Type 1, (448), PG 64-22
1530	Cubic Yard	Asphalt Concrete Intermediate Course, Type 1, (448)
1530	Cubic Yard	Asphalt Concrete Intermediate Course, Type 2, (448)

Designer Note:

This item is for use in locations with little or no truck traffic (>50 trucks per day). This item is not for use on any City roadway.