

## PRODUCT SPECIFICATION SHEET HMA -TYPE AC-12.5; AC-19; AC-25

### Hot Mix Asphalt tested conform the ASTM



Baitali Pavement Products N.V.  
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### Product Description

HMA (Hot mix asphalt) consists of two basic ingredients: aggregate and asphalt binder. The binder used, is a bitumen grade 60/70. Aggregates used for the mix design are produced and controlled according to ASTM standards. BPP is a certified producer and therefore our HMA-AC grades are produced and controlled according to a quality control program, certified by the DNV ISO 9001. With this statement the quality of Baitali Pavement Products is assured for each and every delivery.

### Applications

Our products are recommended for road construction. Each grading type is related to the expected traffic volume (Medium or High), the Layer (Base, Intermediate or surface) and the Nominal Maximum Aggregate Size- related to the compacted layer thickness. If other applications are considered, then users should conduct appropriate testing before use.

### Specifications

GRADING SPECIFICATION & BITUMEN CONTENT CONFORM THE ASTM D 3515, MS- 2 & MS-4				
Sieve No.	Sieve Size [mm]	Grading limits [%]		
		Medium & High traffic		
		AC-12.5	AC-19	AC-25
2"	50			
1½"	37,5			100
1"	25		100	90 - 100
¾"	19	100	90 - 100	
½"	12,5	90 - 100		56 - 80
⅜"	9,5		56 - 80	
No. 4	4,75	44 - 74	35 - 65	29 - 59
No. 8	2,36	28 - 58	23 - 49	19 - 45
No. 16	1,18			
No. 30	0,6			
No. 50	0,3	5 - 21	5 - 19	5 - 17
No. 100	0,15	2 - 10	2 - 8	1 - 7
No. 200	0,075			
< No. 200				
Bitumen content(%"in")		4 - 11	4 - 10	3 - 9

MARSHALL PROPERTIES CONFORM MS- 2 & MS-4		
Type of test	Medium traffic	High traffic
Marshall Stability at 60 °C [N]	≥ 5500	≥ 8000
Marshall Flow [mm]	2.0 - 4.0	2.0 - 3.5
Quotient	--	--
Air Voids	3.0 - 5.0	3.0 - 5.0
VMA	≥ 14	≥ 14
VFA	65 - 75	65 - 75
Filler vs bitumen	0.6 - 1.2	0.6 - 1.2

Material tested by:  
 Baitali Pavement Testing & Technologies N.V., ISO certified laboratory



### Laying HMA

Do not lay HMA over a saturated base and check drainage.

AC-grade	Application for HMA-type	Layer	Temperature of Laying	Layer thickness
AC-12.5	Wearing course	Surface	120 - 170 °C	35 - 50 mm
AC-19	Binder course	Surface	120 - 170 °C	40 - 60 mm
AC- 25	Binder course	Surface	120 - 170 °C	60 - 90 mm

### Shelf life

The Shelf life of the HMA (AC-grades) is approximately 6 hours when transported well-capped and in an insulated truck.

Paramaribo, (date) 09-10-2017

S. Ferrier (Operations Manager)