

## TECHNICAL DATA

2016



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### LAWELE GRANULAR ASPHALT (LGA<sup>®</sup>)

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Lawele Granular Asphalt (LGA<sup>®</sup>) is processed natural rock asphalt through series of selection, crushed and drying of the raw material. Thus, it is manufactured and produced in granular form with 9,5 mm maximum particle's size, LGA<sup>®</sup> consists of bitumen (30%) and mineral (70%). LGA<sup>®</sup> is used as substitution to conventional oil asphalt/bitumen. It is designedly targeted on light to medium traffic condition.

#### PRODUCT DATA

Unit Weight Ton/m <sup>3</sup>	: ± 0,8
Type	: 50/30
Color	: Black
Bitumen Content (%)	: 25 – 30%
Specific Gravity Of Bitumen (gr/cc)	: 1.040 – 1.060
Flash Point ( Cleveland Open Cup ) Bitumen(°C)	: 225°C
Water Content (%)	: Max 5
Maximum Particle's Size	: 9,5 mm (Maximum )
Packaging	: PP woven bag + inner @ 40 kg

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### TEST RESULT OF BRA

NO	TEST	TEST METHOD	RESULTS	SPECIFICATION	UNIT	MINERAL FILLER
1	Gradation (% Passing) :	ASTM C 136				
	• Sieve no.3/8		100	100	-	100
	• Sieve no.4		76	-	% loss	100
	• Sieve no.8		53	-	% loss	100
	• Sieve no.16		38	-	% loss	99
	• Sieve no.30		20	-	% loss	98
	• Sieve no.50		6.6	-	% loss	94
	• Sieve no.100		1.3	-	% loss	76
• Sieve no.200	0.3	-	% loss	44		
2	Bitumen Content	ASTM D1856	25.64	25-30	%	-
3	Specific Gravity Bitumen	ASTM D854	1.049	-	-	-
4	Flash Point	ASTM D9272	225	-	°C	-
5	Water Content	ASTM D1461	3.7	Max.5.0	%	-

### TEST RESULT OF LGA® BITUMEN

NO	TEST	TEST METHOD	RESULTS	SPECIFICATION	UNIT
1	Penetration at 25°C ,100g, 5 sec	ASTM D 5	57	40 - 60	0.1 mm
2	Softening Point	ASTM D 2398	49	-	°C
3	Specific Gravity	ASTM D 70	1.049	Min 1.0	-

### APPLICATION

Depending on the type of mixture

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