

# Anti-Stripping Solution



**SERI MEGA  
ENGINEERING SDN BHD**

Seri Mega Engineering Sdn. Bhd. is a bumiputera contracting company with CIDB approved licenses (G4).

Seri Mega Engineering Sdn. Bhd. is the authorised exclusive distributor for DOROtech®AS60/70, an anti-stripping agent that improves the adhesive bond between the bitumen and aggregates, improving the resilience of roads and combating the dilemma of potholes.







# ***AS 60/70***

*An Anti Stripping Agent is a secret formula added in bitumen to made improve in performances of road, longer pavement life and save maintainance cost.*



## ***Why use our product?***

- ✓ Improved Bitumen Adhesion
- ✓ Improved Marshall Stability, Strength and Flow Properties
- ✓ Improved Fatigue Performance
- ✓ Longer Pavement Life
- ✓ Lower Lifecycle Cost
- ✓ Easy Handling and Workability



# ***NORMAL BITUMEN***



## **Moisture Absorption:**

Water penetrates aggregate, weakening bitumen adhesion and increasing distress risks.



## **Deterioration Risks:**

Increased susceptibility to stripping, leading to ravelling, potholes, and accelerated rutting.



# ***AS 60/70***



## **Moisture Resistance:**

Water is prevented from seeping into the aggregate, increasing resistance and longevity .



## **Enhanced Durability:**

Chemically modified to form a strong bond with bitumen, improving pavement longevity.





# Marshall Properties Test

# RD TESTING SERVICES SDN. BHD. MARSHALL TEST RESULT

Type of Mix: AC 14  
 Appx.G/G Of Agg Blend (Ring) 2.616  
 Splic. Gr. Blk (Gr. Bl) 1.03  
 Proving Ring Constant: 20.180 N/Div  
 Pen. Grade Bitumen: DOROTHY AS 60/70

Location: JALAN T153 JALAN BENIK, TEMBILAH, BEKUYEN S.I. - 6.0 RISTEM TERENGGANU  
 Contractor: AZ ENTERPRISE  
 Date of sampling: 26.10.2022  
 Date of testing: 27.10.2022

Spec. No.	% Bit.	Spec. Hgt. (mm)	Weight/gm			Bulk Vol. (cc)	Specific Gravity			Volume - %					Stability (h)		Flow	Slitters	
			In Air	SSD	In Water		Bulk	Max. Theor.	Bit.	Agg.	Voids	VMA	VFB	VBM	Measured	Corrected Factor			mm
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	% Bit.					5.0	D/G	Bulk G/G	100-Bulk G/g	100-A.K	100-K	100-Bulk M	100-Bulk I		63.2 C				R/S
1	5.36	63.0	1163.5	1166.0	660.5	505.5	2.302								600	1.013	12259	3.20	
2		63.3	1162.9	1164.5	660.9	503.6	2.309								620	1.005	12574	3.40	
3		63.6	1165.1	1166.2	662.7	503.5	2.314								650	0.998	13084	3.80	
Average						2.308	2.417	12.01	81.51	6.48	16.49	72.83	6.48			25639	3.47	3646	
SPECIFICATION REQUIREMENT										70-80	3-5						>8000	2-5	>2000
Remarks:																			
										Mixing Temp: 140°C - 160°C Compacting Temp: 145°C Testing Temp: 60°C ± 1°C for 65 minutes									
Tested by: 										Witnessed by: 									

ZAHARI BIN ABDULLAH  
 Puanlong Jurulana Kanan  
 JKR Basut, Terengganu.

## Thickness & Compaction Test

RD TESTING SERVICES SDN. BHD.(JKT 0470404-V)

THICKNESS & COMPACTION TEST RESULT

PROJECT TITLE

KERIA - KERIA PENYENGEKARAAN JALAN REGULATE & OVERLAY (AC 14 DOROTESH AS 60/70) 50MM SERTA KERIA YANG BERKAITAN DI JALAN T153 JALAN RENEK / TEMBILA, SEKSYEN 5.1 - 6.0 BESUT TERENGGAHU

TYPE OF MIX

: DOROTESH AS 60/70 AC 14

Date of Coring

: 01.11.2022

CONTRACTOR

: AZ ENTERPRISE

Date of Testing

: 02.11.2022

SAMPLE NO :	CORING LOCATION		Thickness (mm)	WEIGHT (gm)			Bulk Volume (cc)	Bulk Density (gm/cc)	Marshall Density (gm/cc)	Core Density (%)	Rolling Patern
	Chainage	Destination Form		In Air	In Water	SSD					
1	2	3	4	5	6	7	8=(7-6)	9=(5/8)	10	11=((9/10))	12
1	C1	RIGHT	48	885.2	498.3	888.2	389.9	2.270	2.309	98.3	2.2.10.2
2	C2	LEFT	50	977.1	550.1	980.1	430.0	2.272	2.309	98.4	2.2.10.2
3	C3	CL	51	965.3	558.2	987.6	429.4	2.295	2.309	99.4	2.2.10.2
4	C4	RIGHT	47	854.1	480.3	856.5	376.2	2.270	2.309	98.3	2.2.10.2
5	C5	LEFT	52	998.0	565.3	1001.7	436.4	2.287	2.309	99.0	2.2.10.2
6	C6	CL	58	1075.2	604.6	1078.1	473.5	2.271	2.309	98.3	2.2.10.2
7	C7	RIGHT	53	1004.1	569.3	1007.2	437.9	2.293	2.309	99.3	2.2.10.2
8	C8	LEFT	60	1101.7	622.3	1103.5	481.2	2.289	2.309	99.2	2.2.10.2
9	C9	CL	50	966.3	545.3	970.2	424.9	2.274	2.309	98.5	2.2.10.2

Specification  
AC 14 : 98 - 100

tested by

**ZAMRI BIN ABDUL LATIF**  
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verified by

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