



## REPORT ON DETERMINATION OF SOFTENING POINT

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<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR25042200
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	24/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Sample Brt. In By</b>	CLIENT'S REP.	<b>Date Received</b>	11/09/25
<b>Test Method</b>	ASTM D36/D36M-2014(2020)	<b>Date Tested</b>	19/09/25
<b>Method Variation</b>	None	<b>Tested By</b>	Afsal
<b>Remarks</b>	None	<b>Test Location</b>	ACES Dubai Lab

**Bath Liquid :** Glycerine

RESULTS	
Test Parameter	Result
Average Softening Point (°C)	153.9



0 0 0 7 9 9 0 3 7 9 .

**Eng. Harees Sulaiman**  
**Material Department Manager**

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## REPORT ON DETERMINATION OF TENSILE STRENGTH & ELONGATION

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<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR2504420
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	24/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Test Method</b>	UEAtc M.O.A.T. : No.31:1984, PARA-C	<b>Sample Brt. In By</b>	CLIENT'S REP.
<b>Method Variation</b>	None	<b>Date Received</b>	11/09/25
<b>Tested By</b>	Bharath	<b>Date Tested</b>	18/09/25
<b>Remarks</b>	None	<b>Test Location</b>	ACES Dubai Lab

**Test Speed** : 100mm/min

**Test Direction** : Longitude

RESULTS		
Specimen #	Peak Tensile Load (N/50mm)	Elongation at Break (%)
1	696	45.3
2	780	48.0
3	691	41.1
<b>Average</b>	<b>722</b>	<b>44.8</b>



0 0 0 8 0 8 9 2 1 9 .

Eng. Harees Sulaiman  
Material Department Manager

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## REPORT ON DETERMINATION OF TENSILE STRENGTH & ELONGATION

Page No. 2/2

<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR2504420
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	24/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Test Method</b>	UEAtc M.O.A.T. : No.31:1984, PARA-C	<b>Sample Brt. In By</b>	CLIENT'S REP.
<b>Method Variation</b>	None	<b>Date Received</b>	11/09/25
<b>Tested By</b>	Bharath	<b>Date Tested</b>	18/09/25
<b>Remarks</b>	None	<b>Test Location</b>	ACES Dubai Lab

**Test Speed** : 100mm/min

**Test Direction** : Transverse

RESULTS		
Specimen #	Peak Tensile Load (N/50mm)	Elongation at Break (%)
1	482	58.0
2	470	63.8
3	444	63.2
<b>Average</b>	<b>465</b>	<b>61.7</b>



0 0 0 8 0 8 9 2 1 9 .

Eng. Harees Sulaiman  
Material Department Manager

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## REPORT ON DETERMINATION OF LOW TEMPERATURE FLEXIBILITY

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<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR25044221
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	24/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Sample Brt. In By</b>	CLIENT'S REP.	<b>Date Received</b>	11/09/25
<b>Test Method</b>	ASTM D5147/D5147M-18 (Reapproved 2024)	<b>Date Tested</b>	20/09/25
<b>Test Location</b>	ACES Dubai Lab	<b>Tested By</b>	Bharath
<b>Remarks</b>	None		

No of specimen tested : 5  
 Test Duration : 2hrs  
 Test Temperature: : 0 °C  
 Bend Angle : 180°

Result	
Test Direction	Observation
Longitudinal	No Cracks were Observed.
Transverse	No Cracks were Observed.



0 0 0 8 0 8 9 2 2 0 .

Eng. Harees Sulaiman  
 Material Department Manager

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## REPORT ON DETERMINATION OF HIGH TEMPERATURE STABILITY OF WATER PROOFING MEMBRANE

Page No. 1/1

<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR25044222
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	24/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Sample Brt. In By</b>	CLIENT'S REP.	<b>Date Received</b>	11/09/25
<b>Test Method</b>	ASTM D 5147/5147M -18 (2024 CI.16	<b>Date Tested</b>	20/09/25
<b>Method Variation</b>	None	<b>Tested By</b>	Bharath
<b>Remarks</b>	None	<b>Test Location</b>	ACES Dubai Lab

Test Temperature: 80 °C

Specimen Size (mm) : 75x50

Test Duration (Hours): 2:15

No of specimen tested: 5 Specimens in each direction

Test Direction	Observation
Longitudinal	No flowing, dripping or drop formation was observed
Transverse	No flowing, dripping or drop formation was observed



0 0 0 8 0 8 9 2 2 1 .

Eng. Harees Sulaiman  
Material Department Manager

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## REPORT ON DETERMINATION OF TEAR STRENGTH OF WATERPROOFING MEMBRANE

Page No. 1/1

<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR25044325
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	25/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Desc.</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P
<b>Lot Size</b>	N.P.	<b>Sample Size</b>	1 ROLL
<b>Specimen Preparation Method</b>	ASTM 4073-06 (Reapproved 2024)	<b>Sample Brt. In By</b>	CLIENT'S REP.
<b>Test Method</b>	ASTM D5147/D5147M (Clause 8)-2018 (Reapproved 2024)	<b>Date Received</b>	11/09/25
<b>Test Method Variation</b>	None	<b>Date Tested</b>	23/09/25
<b>Remarks</b>	None	<b>Tested By</b>	Bharath

Sample Conditioning : 50 Hours @ 23°C &amp; 50% RH

Test Speed : 50 mm/minute

<b>RESULTS</b>		
<b>Specimen No.</b>	<b>Tensile Tear Strength (N)</b>	
	<b>Longitude</b>	<b>Transverse</b>
1	570	373
2	583	399
3	562	457
4	596	431
5	553	369
<b>Average</b>	<b>573</b>	<b>406</b>
<b>Standard Deviation</b>	17.02	37.86



0 0 0 8 1 0 2 1 5 8 .

 Eng. Harees Sulaiman  
 Material Department Manager

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## REPORT ON DETERMINATION OF ASPHALT PENETRATION

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<b>Client</b>	BITUMAT COMPANY LIMITED	<b>Report No.</b>	DI.MMR25045329
<b>Contractor</b>	NO SPECIFIC CONTRACTOR	<b>Date Reported</b>	30/09/25
<b>Consultant</b>	NO SPECIFIC CONSULTANT	<b>Sample No.</b>	DI.MMS25011911
<b>Project No.</b>	N.P	<b>Request No.</b>	DI.MMO25011912
<b>Project Name</b>	INTERNAL TESTING	<b>Client Ref.</b>	N.P.
<b>Sample Description</b>	TOPSEAL 4mm	<b>Sampled By</b>	CLIENT'S REP.
<b>Source</b>	BITUMAT	<b>Sampling Date</b>	N.P.
<b>Sample Location</b>	N.P.	<b>Sampling Cert.</b>	N.P.
<b>Lot No.</b>	N.P.	<b>Sampling Method</b>	N.P.
<b>Lot Size.</b>	N.P.	<b>Size of Sample</b>	1 ROLL
<b>Sample Brt. In By</b>	CLIENT'S REP.	<b>Date Received</b>	11/09/25
<b>Test Method</b>	ASTM D5-2020	<b>Date Tested</b>	18/09/25
<b>Test Method Var.</b>	None	<b>Tested By</b>	ACES Abu Dhabi
<b>Remarks</b>	Test was Sub Contracted.	<b>Test Location</b>	ACES Abu Dhabi Lab

Test Result	
Test	Average
Penetration @ 25° C (0.1mm)	20.3



0 0 0 1 6 0 2 6 4 2 .

Eng. Harees Sulaiman  
Material Department Manager

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