

Test Item: Class 0 (10 kV) Electrical Insulating Mats (Black with Diamond Plate Top Surface)

Condition of Test Item: New and good physical condition

Date Receipt: 7th August 2019

Date of Test: 7th August 2019

Reference Test Method: BS EN 61111:2009(IEC 61111: 2009) Live working – Electrical insulating matting;
Class 0 Withstand voltage (10kV)

Sampling Procedure, Item Preparation or Data Analysis: Done by the customer

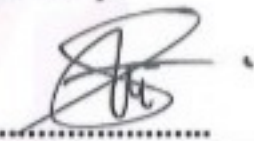
Deviation from the Test Method: None

Environmental Condition: Please refer Section 4

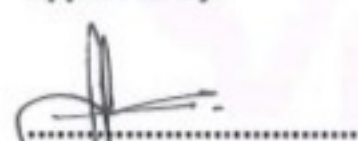
Test Result: Please refer Section 4

Measurement Uncertainty: Voltage $\pm 0.60\%$

Prepared By:


.....

Approved By:


.....
Approved Signatory

Test result for Breakdown Voltage test

Measurement of atmospheric condition

Date of test: 7th August 2019

Atmospheric conditions: Temperature = 26.4 – 26.8 °C
Relative humidity = 68 - 76 %

Preconditioned of test samples: The test samples were preconditioned in the tap water with resistivity of 100.4 Ω.m for 16 hours.

Sample No.	Voltage (kV <i>rms</i>)		Test duration (min)	Observations	Measurement Uncertainty (%)	Test result
	Required	Applied				
Sample C0-S1	10	10.03	3	$I_{out} = 0.198$ A	±0.60	Complied
	--	24.75	--	Breakdown	--	--
Sample C0-S2	10	10.03	3	$I_{out} = 0.188$ A	±0.60	Complied
	--	21.0	--	Breakdown	--	--
Sample C0-S3	10	10.05	3	$I_{out} = 0.198$ A	±0.60	Complied
	--	19.3	--	Breakdown	--	--

Note : I.D : identification, -- : no data

The test sample withstood the test voltage of 10 kV for 3 minutes and complied with the BS EN 61111: 2009 (IEC 61111: 2009) Class 0.