

# CERTIFICATE OF ACCREDITATION

## BOTSWANA INSTITUTE FOR TECHNOLOGY RESEARCH AND INNOVATION BUILDING MATERIALS SCIENCE LABORATORY

*Company Registration No. BW00000875106*

**Facility Accreditation Number: TEST-3 0005**

is a SADCAS accredited Testing Laboratory  
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

### **CIVIL ENGINEERING**

*The facility is accredited in accordance with the recognized International Standard*

### **ISO/IEC 17025:2017**

*The accreditation demonstrates technical competency for a defined scope and the operation  
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and  
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States  
as a multi-economy accreditation body*

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**Eve C Gadzikwa**  
**SADCAS Chief Executive Officer**

**Date of Renewal of Accreditation: 23 April 2024**  
**Effective Date (Issue No: 1): 23 April 2024**  
**Certificate Expires: 22 April 2029**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### CIVIL ENGINEERING

Laboratory Accreditation Number: **TEST-3 0005 (ISO/IEC 17025:2017)**

<p><b><u>Permanent Address of Laboratory</u></b> Botswana Institute for Technology Research and Innovation Building Materials Science Laboratory Maranyane House, Plot 50654 Machel Drive Gaborone Botswana</p> <p><b><u>Postal Address</u></b> Private Bag 0082 Gaborone Botswana</p> <p><b><u>Tel</u></b> : +267 360 7584 <b><u>Cell</u></b> : +267 74 436 965 <b><u>Email</u></b> : <a href="mailto:KPhiri@bitri.co.bw">KPhiri@bitri.co.bw</a></p>		<p><b><u>Technical Signatories</u></b> : Mr G Basimolodi (Density, Setting Time, Consistency, Soundness &amp; Compressive Strength) Mr T Bataatweng (Consistency, Setting Time, Soundness &amp; Abrasion) Ms O J Motlhabi (Transverse Strength, Density, Fineness Soundness) Mr K R Monageng (Compressive Strength &amp; Transverse Strength) Mr O Ndeke (Compressive Strength Concrete &amp; Soundness) Mr O Amos (Compressive Strength) Ms K Phiri (Abrasion)</p> <p><b><u>Nominated Representative</u></b> : Ms K Phiri</p> <p><b><u>Issue No</u></b> : 01 <b><u>Date of Issue</u></b> : 23 April 2024 <b><u>Expiry Date</u></b> : 22 April 2029</p>	
<b>MATERIALS/PRODUCTS TESTED</b>	<b>TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT</b>	<b>STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED</b>	
Concrete	Compressive Strength (0 – 3000 kN)	BOS 27:2016 Clause 6.5 using Cube	
Concrete Pavers	Abrasion	BS – EN 1338: 2003	
Concrete Roofing Tiles	Transverse Strength	BOS 24: 2009	
Burnt Clay Masonry Units	Soundness (Surface Pot outs)	BOS 28: 2016	
Hydraulic Cements	Compressive Strength	BS – EN 196-1: 2016	
	Soundness	BS – EN 196-3: 2016	
	Density	ASTM C 188-17	

## ANNEXURE A

Laboratory Accreditation No: TEST-3 0005 (ISO/IEC 17025:2017)

Issue No: 01

Date of Issue: 23 April 2024

Date of Expiry: 22 April 2029

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Hydraulic Cements	Fineness (By sieving)  Consistency  Setting Time	BS – EN 196-6 2016  BS – EN 196-3: 2016  BS – EN 196-3: 2016

Original date of accreditation: 23 April 2019

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**Pinkie J Malebe**  
SADCAS Technical Manager