

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 subsidiary 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*

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)

<u>Permanent Address of Laboratory</u> Botswana Institute for Technology Research and Innovation Building Materials Science Laboratory Maranyane House, Plot 50654 Machel Drive Gaborone Botswana <u>Postal Address</u> Private Bag 0082 Gaborone Botswana <u>Tel</u> : +267 360 7584 <u>Cell</u> : +267 74 436 965 <u>Email</u> : KPhiri@bitri.co.bw			<u>Technical Signatories:</u> Mr T Bataatweng (Items 2, 5, 6, 7, 8. 9 & 10) Ms O J Motlhabi (Items 3, 4, 5, 6, 7, 8. 9 & 10) Ms K Phiri (Item 2) Mr K R Monageng (Items 1, & 3) Mr O Ndeke (Items 1 & 4) <u>Nominated Representative</u> : Ms K Phiri <u>Issue No</u> : 03 <u>Date of Issue</u> : 01 June 2026 <u>Expiry Date</u> : 22 April 2029		
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED			
Concrete Bricks	1. Compressive Strength (0 – 3000 kN)	BOS 27:2024 Clause 6.5			
Concrete Pavers	2. Abrasion	BS – EN 1338: 2003			
Concrete Roofing Tiles	3. Transverse Strength	BOS 24: 2009			
Burnt Clay Masonry Units	4. Soundness (Surface Pot outs)	BOS 28: 2024			
Hydraulic Cements	5. Compressive Strength	BS – EN 196-1: 2016			
	6. Soundness	BS – EN 196-3: 2016			
	7. Density	ASTM C 188-17			
	8. Fineness (By sieving)	BS – EN 196-6 2018			
	9. Consistency	BS – EN 196-3: 2016			
	10. Setting Time	BS – EN 196-3: 2016			

Original date of accreditation: 23 April 2019

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Pinkie J Malebe
SADCAS Technical Manager