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

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)

Permanent Address of Laboratory
Botswana Institute for Technology Research and Innovation
Building Materials Science Laboratory
Maranyane House, Plot 50654
Machel Drive
Gaborone
Botswana

Postal Address
Private Bag 0082
Gaborone
Botswana

Tel : +267 360 7584
Cell : +267 74 436 965
Email : KPhiri@bitri.co.bw

Technical Signatories:
Mr T Bataatweng (Abrasion & Hydraulic Cement)
Ms O J Motlhabi (Transverse strength & Hydraulic Cements)
Ms K Phiri (Abrasion)
Ms K R Monageng (Compressive Strength & Transverse Strength)
Mr O Ndeke (Compressive Strength & Soundness)

Nominated Representative : Ms K Phiri

Issue No : 02
Date of Issue : 06 June 2025
Expiry Date : 22 April 2029

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
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 Soundness Density Fineness (By sieving) Consistency Setting Time	BS – EN 196-1: 2016 BS – EN 196-3: 2016 ASTM C 188-17 BS – EN 196-6 2016 BS – EN 196-3: 2016 BS – EN 196-3: 2016

Pinkie J Malebe
SADCAS Technical Manager