DRAFT TANZANIA STANDARD

Aggregates for concrete — Test methods for mechanical and physical properties — Part 1: Determination of bulk density, particle density, particle mass-per-volume and water absorption

Draft Standard (DTZS)

TANZANIA BUREAU OF STANDARDS

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1st Edition

Tanzania Bureau of Standards (TBS) is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, which was repealed and replaced by the Standards Act No. 2 of 2009.

The Building and Construction Divisional Standards Committee, under whose supervision this Tanzania Standards was prepared, consists of representatives from the following organizations:

*College of Engineering and Technology, University of Dar er Salaam

Tanzania Commission for Science and Technology (COSTECH)

Ministry of Works and Transportation (MoWT)

National Housing Corporation (NHC)

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*National Construction Council (NCC)

Engineers Registration Board (ERB)

Tanzania Building Agency (TBA)

The organizations marked with an asterisk (*) in the above list, together with the following were directly represented on the Technical Committee entrusted with the preparation of this draft Tanzania Standard:

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0.National foreword

This Tanzania Standard is identical to **ISO 20290-1:2021- Aggregates for concrete — Test methods for mechanical and physical properties — Part 1: Determination of bulk density, particle density, particle mass-per-volume and water absorption** published by the International Organization for Standardization (ISO).

Terminology and conventions

Some terminologies and certain conventions in the ISO standards are not identical with those used in Tanzania Standards and attention is drawn to the following:

The comma (,) has been used as a decimal marker (.) for metric dimensions. In Tanzania Standards, it is current practice to use a full point on the base line as the decimal marker.

Wherever the words “International Standard” appear in this Tanzania Standard, they should be interpreted as “Tanzania Standard”.

Scope

This document describes procedures for determining certain properties of aggregates for use in

concrete for the determination of the loose or compacted bulk density, the determination of particle density and water absorption using the hydrostatic balance method and the determination of the particle mass-per-volume and water absorption using the Pycnometer method.

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