DRAFT TANZANIA STANDARD

Testing of concrete Part 9: Determination of creep of concrete cylinders in compression

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is the statutory national standards body for Tanzania established under the Standards Act No. 3 of 1975, which was repealed and replaced by the Standards Act No. 2 of 2009.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

Contractors Registration Board (CRB)

*Ardhi University (ARU)

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*National Estates and Designing Consultancy Company Ltd (NEDCO)

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Institution of Engineers Tanzania (IET)

*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 1920-9:2009-Testing of concrete Part 10: Determination of static modulus of elasticity in compression** 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 part of ISO 1920 specifies a method for determining the creep of standard concrete test cylinders subjected to a sustained longitudinal compressive load.

NOTE

The conditions for curing and storage (see 6.1) can be varied to suit different requirements, e.g. early

pre-stress. The time of loading (see 6.2) can also be varied to give an indication of other properties. These variations,

however, will not conform to the requirements for a creep test as specified in this part of ISO 1920 and it is necessary that

any deviation from the standard procedure be recorded in the test report.

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