

MAURITIAN MS 129:2006 STANDARD

First edition
2006-02-18

Aggregates for mortar

ICS 91.100.15



Mauritius Standards Bureau
Moka



COPYRIGHT PROTECTED DOCUMENT

© MSB 2018

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without permission in writing from Mauritius Standards Bureau at the address below

Mauritius Standards Bureau
Villa Road
Moka
Mauritius

Telephone + (230) 433 3648
Fax + (230) 433 5051/ 433 5150
E-mail msb@intnet.mu

Contents

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Sampling	4
5 Geometrical requirements	4
6 Physical requirements	8
7 Chemical requirements	9
8 Evaluation of conformity	12
9 Designation and description	12
11 MSB Certification Mark	13
Annex A (informative) Guidance on the description of coarseness/fineness of aggregates for mortars.....	14
Annex B (normative) Reduced grading tolerances on producer’s declared typical grading for fine aggregate.....	16
Annex C (normative) Assessment of fines – Guidance on the use of the sand equivalent value (EN 933-8) and methylene blue value (EN 933-9).....	17
Annex D (informative) Guidance on the effects of some chemical constituents of aggregates on the mortar in which they are incorporated	18
Annex E (normative) Factory production control	20
Annex F (informative) Specific information which can be required for the description of an aggregate for particular end uses	26
Bibliography	27

Foreword

This Mauritian Standard was drawn up by the Building and Construction Standards Committee through its Subcommittee on Aggregates and approved by the Standards Council on 19 December 2005. It was notified in the Government Gazette on 18 February 2006*

This Mauritian Standard is a modified adoption of European Standard **EN 13139:2002**. The text of the European Standard has been approved as suitable for publication as a Mauritian Standard with the following deviations for Mauritius:

- (i) Part b) of Clause 1 should be read as follows: *'floor/roof/screed mortar,'*
- (ii) Clause 1, Note 1, line 2, *'As well as familiar and traditional; natural and manufactured aggregates Mandate M/125 "Aggregates" included recycled aggregates and some materials from new or unfamiliar sources. Recycled aggregates are included in the standards and new test methods for them are at an advanced stage of preparation. For unfamiliar materials from secondary sources, however, the work on standardization has only started recently and more time is needed to define clearly the origins and characteristics of these materials. In the meantime such unfamiliar materials when placed on the market as aggregates must comply fully with this standard and national regulations for dangerous substances (see Annex ZA of the standard) depending upon their intended use. Additional characteristics and requirements may be specified on a case by case basis depending upon experience of use of the product, and defined in specific contractual documents.'* is deleted and is replaced by *"Such aggregates, which should comply with all the requirements of this Mauritian Standard, could have other characteristics that do not apply to the generality of aggregate types with an established pattern of use and when required, shall be examined to assess their suitability of use."*
- (ii) Clause 5.2.3, the following note is inserted at the end of the Clause: *"Note: The common aggregate sizes manufactured locally for use are: 0/1 mm, 0/2 mm, 0/4 and 0/6 mm"*
- (iii) Table 1, Table 2 and Table 4 have been amended to include the aggregate sizes 0/6 mm.
- (iv) Clause 5.4.1, Paragraph 1 *'The particle shape of fine aggregates smaller than 4 mm is not normally relevant in the behaviour of mortars'* has been deleted.
- (v) Part (c) of Clause 9.1, *'the number of this European Standard'* is deleted and is replaced by *'washed or unwashed'*
- (vi) Part (f) of Clause 10, *'CE marking if relevant'* is deleted and is replaced by *'MSB Certification Mark if relevant'*
- (vii) Annex ZA (informative) is deleted.
- (ix) A new Clause 11 on **"MSB Certification Mark"** has been included.
- (x) Table E.1, the Superscript ^b should be read as *'Unless otherwise specified, only when necessary for MSB certification Mark purposes'*
- (viii) In the adopted standard, the words *'European Standard'* has been replaced by *"Mauritian Standard"*

The annexes B, C and E are normative and the annexes A, D and F are informative.

* **General Notice No. 228 of 2006.**

AGGREGATES FOR MORTAR

1 Scope

This Mauritian Standard specifies the properties of aggregates and filler aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in mortar, e.g.,

- a) masonry mortar,
- b) floor/roof/screed mortar,
- c) surfacing of internal walls and ceiling (plastering mortar)
- d) rendering of external walls,
- e) bedding materials,
- f) repair mortar,
- g) grouts,

for buildings, roads and civil engineering works.

This standard does not cover filler aggregates to be used as a constituent in cement or as other than inert filler aggregates for mortars or aggregates to be used in the surface layer of industrial floors.

It provides for the evaluation of conformity of the products to this Mauritian Standard.

NOTE 1 Aggregates used in construction should comply with all the requirements of this Mauritian Standard. Such aggregates, which should comply with all the requirements of this Mauritian Standard, could have other characteristics that do not apply to the generality of aggregate types with an established pattern of use and when required, and should be examined to assess their suitability of use.

NOTE 2 Properties for lightweight aggregates are specified in prEN 13055-1.

2 Normative references

This Mauritian Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Mauritian Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 932-1 *Tests for general properties of aggregates – Part 1: Methods for sampling.*

EN 932-5 *Tests for general properties of aggregates – Part 5: Common equipment and calibration.*

EN 933-1 *Tests for geometrical properties of aggregates – Part 1: Determination of particle size distribution – Sieving method.*