

# KOMO® PRODUCT CERTIFICATE

## IKB1466/19

Issued on: 20-12-2019  
Valid until: 20-12-2024

Replaces: IKB1466/17  
Issued: 07-02-2017



### Certificate holder

Koninklijke Mosa BV  
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## Ceramic wall and floor tiles

### Declaration by SKG-IKOB

This KOMO product certificate is issued on the basis of assessment guideline BRL 1010 Ceramic Wall and Floor Tiles dated 24-08-2016 in accordance with the current SKG-IKOB Regulations for Attestation, Certification and Inspection.

The quality system and the product characteristics corresponding to Mosa ceramic wall and floor tiles are inspected periodically. On the basis of this, SKG-IKOB declares that:

- It can be assumed with justifiable confidence that the ceramic wall and floor tiles produced by the manufacturer comply on delivery with:
  - the technical specifications stated in this product certificate
  - the produce requirements stated in this product certificate and in the assessment guideline

provided the Mosa ceramic wall and floor tiles display the KOMO mark in a manner as described in this quality declaration.

The essential characteristics as specified in the relevant European standard do not form part of this declaration.

For SKG-IKOB

A handwritten signature in blue ink, consisting of a stylized 'D' and 'A' followed by a horizontal line.

Mr H.A.J. van Dartel  
Certification Manager

The quality declaration has also been added to the list on the website of the KOMO organisation: [www.komo.nl](http://www.komo.nl). Users of this quality declaration are advised to check on [www.skgikob.nl](http://www.skgikob.nl) whether this document is still valid. This document is a translation of the Dutch text. The original Dutch text is binding.

This quality declaration consists of 4 pages.

CERTIFICATE

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Assessed:  
-quality system  
-product  
Periodic inspection

## 1. TECHNICAL SPECIFICATION

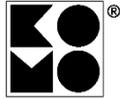
### 1.1 SUBJECT

This product certificate relates to the product certification of ceramic tiles.  
 The main constituent of ceramic tiles is clay. Exposure to a temperature of about 900 °C or higher for between several hours and a day results in ceramic tiles that can be expected to retain their shape permanently.

### 1.2 MARKS

The products, packages or delivery notes are marked with:

- The designation KOMO® or the KOMO® mark followed by the certificate number. The form of this mark is as follows:



- Factory logo or factory name
- Production code or production date

The delivery documents at least include the following:

- The designation KOMO® or the KOMO® mark followed by the certificate number
- The name of the producer/supplier
- The production location
- The product name
- Production code or production date

## 2. PRODUCT CHARACTERISTICS AND REQUIREMENTS

### 2.1 PRODUCT CHARACTERISTICS

The product satisfies the product requirements stated in BRL 1010.

### 2.2 OTHER CHARACTERISTICS

The table below shows the values of the other product characteristics that form part of this KOMO product certificate. These product characteristics are determined in accordance with the method given in table 3 and comply with the values specified in the table.

Table 3: Other characteristics in accordance with BRL 1010

Characteristic	Determination method	BRL requirement	Value
Geometric properties	NEN-EN-ISO 10545-2	Examination of values submitted by certificate holder	See technical data
Hairline cracks	NEN-EN-ISO 10545-11	Increased inspection requirements	Satisfactory
Resistance to stain formation and ease of cleaning for floor tiles	NEN-EN-ISO 10545-14	At least resistance class 3	5

## Glazed wand tiles

Technical data	Properties in accordance with standard EN 14411 BIII and Mosa standard			
Property	ISO-Test	Standard EN 14411 BIII	Mosa standard	
Length and width	10545-2	+/- 0.5 %	+/- 0.4 %	
Thickness	10545-2	+/- 0.6 mm	+/- 0.4 mm	
Edge straightness	10545-2	+/- 0.3 %	+/- 0.2 %	
Warping	10545-2	+/- 0.5 %	+/- 0.4 %	
Water absorption:	10545-3	>10 %	19 %	
Bending strength	10545-4	15 N/mm <sup>2</sup>	24 N/mm <sup>2</sup>	
Coefficient of expansion	10545-8	9x10 <sup>-6</sup> [K <sup>-1</sup> ]	7.5x10 <sup>-6</sup> [K <sup>-1</sup> ]	
Chemical resistance (except for metallic glazes) to:	10545-13	Required	ND*	
Household chemicals				
Swimming pool additives		Required	NLD**	
Acids and alkalis				
Staining agents	10545-14	≥3	5	

\* ND = no visible damage, even with pencil test. Does not apply to products with article number 13410 and 13411

\*\* NLD = no visible damage (at low concentration). Does not apply to products with article number 13410 and 13411

## Floor tiles

Technical data	Properties in accordance with standard EN 14411 Bla and Mosa standard				
Property	ISO-Test	Standard EN 14411 Bla		Mosa standard	
Length and width	10545-2	10 x 10:	+/- 1 %	10 x 10:	+/- 0.3 %
		15 x 15:	+/-0.75 %	15 x 15:	+/- 0.3 % (Global Collection / Softline)
		≥ 30 x 30:	+/- 0.6 %	15 x 15:	+/- 0.14 %*
				30 x 30:	+/- 0.3 %
				30 x 60:	+/- 0.03 %*
				45 x 45:	+/- 0.02 % (Global Collection)
				45 x 45:	+/- 0.04 %*
				60 x 60:	+/- 0.03 %*
				90 x 90:	+/- 0.02 %*
				60 x 120:	+/- 0.03 / 0.02 %*
Thickness	10545-2	+/- 5 %		+/- 3 %	
Warping	10545-2	+/- 0.5 %		10 x 10:	+/- 0.4 %
				15 x 15:	+/- 0.4 %
				30 x 30:	+/- 0.2 %
				30 x 60:	+/- 0.2 %
				45 x 45:	+/- 0.2 %
				60 x 60:	+/- 0.2 %
				90 x 90:	+/- 0.2%
				60 x 120:	+/- 0.2%
Water absorption	10545-3	<0.5 %		Surface:	< 0.05 %
				Bottom:	≤ 0.3 %
Wear resistance	10545-6	205 mm <sup>3</sup>		120+/-30 mm <sup>3</sup>	
Coefficient of expansion	10545-8	9x10 <sup>-6</sup> [K <sup>-1</sup> ]		8x10 <sup>-6</sup> [K <sup>-1</sup> ]	
Chemical resistance	10545-13			Class UA**	

\* Tiles with ground edges (e.g. Terra Maestricht series).

\*\* Chemical resistance to household chemicals, swimming pool additives, acids and alkalis:

Class UA = highest class = no visible damage, even with pencil test.

### 3. CONDITIONS FOR USE

For each project, it is up to the designer to decide under which further specifications of the standard the product can be used.

### 4. PROCESSING INSTRUCTIONS

Ceramic tiles must be processed in accordance with the processing instructions of the manufacturer.



## 5. RECOMMENDATIONS FOR CUSTOMERS

- Inspect the products mentioned under “Technical Specifications” on delivery to ensure that:
  - The agreed products have been delivered
  - The marks and method of marking are correct
  - The products show no visible flaws (caused by transport, for example).
  
- If, based on the above, you decide to reject the products, please contact
  - Koninklijke Mosa BVAnd if necessary:
  - SKG-IKOB Certificatie
- Carry out storage, transport and processing in accordance with the provisions included in this product certificate.
  
- Pay attention to the conditions for use and processing instructions included in this KOMO product certificate.
- The certificate holder is required to ensure that the customer has available a copy of this product certificate.
  
- Check whether this product certificate is still valid, by visiting the website [www.skgikob.nl](http://www.skgikob.nl)

