



Ref: KCL/IND/TC-386

TECHNICAL SPECIFICATIONS

Product Details:

1	Product Description	: KAJARIA ETERNITY
2	Item Name	: Munich Bronze, Gris, Beige, Marfil, Mist (E-Shield)
3	Work Size	: 400 X 800 mm
4	Test Method followed	: ISO 10545 Part 1-17
5	Date of Issue	: 22-Jan-16

S.N.	Technical Characteristics	ISO 13006 Group B Ia	Kajaria Eternity STD Value	Test Method
1	Length and Width	$\pm 0.6\%$	$\pm 0.10\%$	ISO 10545-2
2	Thickness	$\pm 5.0\%$	$\pm 4.00\%$	
3	Straightness of Sides	$\pm 0.5\%$	$\pm 0.10\%$	
4	Rectangularity	$\pm 0.5\%$	$\pm 0.10\%$	
5	Surface Flatness	$\pm 0.5\%$	$\pm 0.15\%$	
6	Surface Quality	Minimum 95% free from visible defects.	Minimum 98% free from visible defects.	
7	Water Absorption	$\leq 0.5\%$	$\leq 0.08\%$	ISO 10545-3
8	Modulus of Rupture	$\geq 35 \text{ N/mm}^2$	$\geq 40 \text{ N/mm}^2$	ISO 10545-4
9	Breaking Strength	$\geq 1300 \text{ N}$	$\geq 2000 \text{ N}$	
10	Impact Resistance	Test Method Available	No identification or cracking	ISO 10545-5
11	Surface Abrasion Resistance	Report abrasion class & cycles passed	PEI Class V	ISO 10545-7
12	Co-efficient of thermal Expansion	Test Method Available	$6 \times 10^{-6} \text{ Max}$	ISO 10545-8
13	Crazing Resistance (glazed tiles)	Required	Passes 4 cycles at 7.0 kg/cm^2	ISO 10545-11
14	Frost Resistance	Required	100 Cycle Pass	ISO 10545-12
15	Chemical Resistance#	Manufacture to state the class	Min GB, GLB, GHB	ISO 10545-13
16	Stain Resistance*	Min Class 3	Min Class 3	ISO 10545-14

** Vitrified tiles have resistance to most of the stains / chemicals but, it is recommended to take due care while laying and for day-to-day maintenance.

Resistance to acids & alkalies (Exception of Hydrofluoric Acid & its Compounds)

Prepared by:

Phani kumar.Pola
Dy.Manager(R&D)

Authorized Signatory

Mr. B.S. Patil
A.V.P. (Production)

Kajaria
TRANSFORM YOUR WORLD

Kajaria Ceramics Limited

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FACILITIES CERTIFIED
SA-8000 (Social Accountability)
ISO-14001 (Environment)
OHSAS-18001 (Health & Safety)
ISO-9001 (Quality)
ISO-22000 (Food Safety)
ISO-50001 (Energy)



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TECHNICAL SPECIFICATIONS

Product Details:

1	Product Description	: KAJARIA ETERNITY
2	Item Name	: Munich Marfil Polish
		: Munich bronze Polish
		: Munich Gris Polish
		: Munich Mist Polish
3	Work Size	: 400 X 800 mm
4	Test Method followed	: ISO 10545 Part 1-17
5	Date of Issue	: 22-Jan-16

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9	Breaking Strength	$\geq 1300 \text{ N}$	$\geq 2000 \text{ N}$	
10	Impact Resistance	Test Method Available	No identification or cracking	ISO 10545-5
11	Surface Abrasion Resistance	Report abrasion class & cycles passed	PEI Class IV	ISO 10545-7
12	Co-efficient of thermal Expansion	Test Method Available	$6 \times 10^{-6} \text{ Max}$	ISO 10545-8
13	Crazing Resistance (glazed tiles)	Required	Passes 4 cycles at 7.0 kg/cm^2	ISO 10545-11
14	Frost Resistance	Required	100 Cycle Pass	ISO 10545-12
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