

Scheda Tecnica Ceramica del Conca SpA

Collezione: HLA, Lavaredo

EN 14411:2016 Annex G Required for Bla

| Area di Riferimento | Caratteristiche | Normativa | Valori Richiesti | | Prestazioni: |
|-----------------------|-------------------------------|-------------------|------------------------|----------|---|
| Standard Dimensionali | Lunghezza e Larghezza | ISO 10545-2 | ± 0.6% | ± 2.0 mm | Conforme |
| | Rettilinearità | ISO 10545-2 | ± 0.5% | ± 1.5 mm | Conforme |
| | Ortogonalità | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Curvatura al Centro | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Curvatura ai Bordi | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Svergolamento | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Spessore | ISO 10545-2 | ± 5% | ± 0.5 mm | Conforme |
| | Qualità Superficiale | ISO 10545-2 | Minimo 95% | | Conforme |
| Standard Meccanici | Assorbimento Acqua | ISO 10545-3 | Massimo 0.5% | | ~ 0.1% |
| | Modulo di Rottura | ISO 10545-4 | > 35 N/mm ² | | Conforme |
| | Carico di Rottura | ISO 10545-4 | > 1300 N | | Conforme |
| | Resistenza all'urto | ISO 10545-5 | Valore Dichiarato | | ~ 0.89 (COR) |
| | Espansione Termica Lineare | ISO 10545-8 | Valore Dichiarato | | $\alpha = \sim 6.4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| | Resistenza allo Shock Termico | ISO 10545-9 | Passa | | Conforme |
| | Espansione all'Acqua | ISO 10545-10 | Valore Dichiarato | | ~ 0.04 mm/m |
| | Resistenza al Cavillo | ISO 10545-11 | Passa | | Conforme |
| | Resistenza al Gelo | ISO 10545-12 | Passa | | Conforme |
| | Resistenza attacco Chimico | ISO 10545-13 | Minimo classe GB | | Conforme |
| | Abrasione Profonda | ISO 10545-6 | <175mm ³ | | 135 mm³ |
| | MOHS | Valore Dichiarato | | | |

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|-----------------------|-------------------------|---------------------------------------|-------------------------------|-----------------------|---------------------------------|---------------------------------------|
| Standard di Sicurezza | Standard Internazionali | Resistenza alle Macchie | ISO 10545-14 | Minimo classe 3 | Conforme | |
| | | Resistenza al Fuoco - Pavimento | EN 13823 | Non Richiesto | A1fl class (No reaction) | |
| | | Resistenza al Fuoco - Rivestimento | EN 13823 | Non Richiesto | A1 class (No reaction) | |
| | | VOC | | | | No VOC |
| | Standard EU. | Rampa (D) | DIN51130 | Non Richiesto | Nat | R10 |
| | | | | | Grip | R11 |
| | | | | | 20mm | R11 |
| | | Rampa a piedi scalzi (D) | DIN51097 | Non Richiesto | Nat | B |
| | | | | | Grip | C |
| | | | | | 20mm | C |
| | Standard US | Dynamic coefficient of Friction DCOF | ANSI A326.3-2017 release 2019 | Wet value ≥ 0.42 | Nat | 0.62 |
| | | | | | Grip | 0.80 |
| | | | | | 20mm | 0.68 |
| | Standard IT | Determinazione Scivolosità BCR tortus | DM 236-89 | > 0.40 | Nat | DRY: 0.41 WET: 0.59 |
| | | | | | Grip | DRY: 0.71 WET: 0.83 |
| | | | | | 20mm | DRY: >1 WET: 0.95 |
| | Standard UK | PENDULUM | BS 7976-2: 2002 | > 36 | Nat | DRY: 57 WET: 37 |
| | | | | | Grip | DRY: 63 WET: 55 |
| | | | | | 20mm | DRY: 62 WET: 56 |

I Valori riflettono una media tra diversi test eseguiti secondo le normative di riferimento condotti nei nostri laboratori e/o presso centri di analisi esterni certificati.

I test sono effettuati solo su prodotti di produzione, in prima scelta. I valori di singole produzioni possono variare.

Il Team tecnico di Ceramica del Conca sarà felice di assistervi nel caso di richieste specifiche.

Ceramica del Conca SpA Technical Characteristics

HLA, LAVAREDO collection.

EN 14411:2016 Annex G Required for BIa

| Reference | Characteristics | Standard | Required values | | CdC Values: |
|----------------------|---------------------------|--------------|------------------------|----------|---|
| Dimensional standard | Length and width | ISO 10545-2 | ± 0.6% | ± 2.0 mm | Comply |
| | Straightness of sides | ISO 10545-2 | ± 0.5% | ± 1.5 mm | Comply |
| | Rectangularity | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Comply |
| | Flatness-Centre curvature | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Comply |
| | Flatness - Edge curvature | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Comply |
| | Flatness - Warpage | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Comply |
| | Thickness | ISO 10545-2 | ± 5% | ± 0.5 mm | Comply |
| | Surface quality | ISO 10545-2 | Minimum 95% | | Comply |
| Mechanical Standard | Water absorption | ISO 10545-3 | Maximum 0.5% | | ~ 0.1% |
| | Modulus of rupture | ISO 10545-4 | > 35 N/mm ² | | Comply |
| | Breaking Strength | ISO 10545-4 | > 1300 N | | Comply |
| | Impact resistance | ISO 10545-5 | Declared value | | ~ 0.89 (COR) |
| | Linear thermal expansion | ISO 10545-8 | Declared value | | $\alpha = \sim 6.4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| | Thermal shock resistance | ISO 10545-9 | Pass | | Comply |
| | Moisture Expansion | ISO 10545-10 | Declared value | | ~ 0.04 mm/m |
| | Crazing Resistance | ISO 10545-11 | Pass | | Comply |
| | Frost resistance | ISO 10545-12 | Pass | | Comply |
| | Chemical resistance | ISO 10545-13 | Minimum class GB | | Comply |
| | DEEP Abrasion | ISO 10545-6 | <175mm ³ | | 135 mm³ |
| | MOHS | | Declared value | | Mohs ≥ 6 |

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|-----------------|----------------------------|--|-------------------------------|-----------------------|------|---------------------------------------|
| Safety Standard | International requirements | Stain resistance | ISO 10545-14 | Minimum class 3 | | Comply |
| | | Fire reaction - floor | EN 13823 | Not Required | | A1fl class (No reaction) |
| | | Fire reaction - wall | EN 13823 | Not Required | | A1 class (No reaction) |
| | | VOC | | | | No VOC |
| | EU requirements | Ramp resistance | DIN51130 | Not Required | Nat | R10 |
| | | | | | Grip | R11 |
| | | | | | 20mm | R11 |
| | | Barefoot ramp resistance | DIN51097 | Not Required | Nat | B |
| | | | | | Grip | C |
| | | | | | 20mm | C |
| | US Requirements | Dynamic coefficient of Friction DCOF | ANSI A326.3-2017 release 2019 | Wet value \geq 0.42 | Nat | 0.62 |
| | | | | | Grip | 0.80 |
| | | | | | 20mm | 0,68 |
| | IT Requirements | Determination of slipperiness BCR tortus | DM 236-89 | > 0.40 | Nat | DRY: 0.41 WET: 0.59 |
| | | | | | Grip | DRY: 0.71 WET: 0.83 |
| | | | | | 20mm | DRY: >1 WET: 0.95 |
| | UK requirements | PENDULUM | BS 7976-2: 2002 | > 36 | Nat | DRY: 57 WET: 37 |
| | | | | | Grip | DRY: 63 WET: 55 |
| | | | | | 20mm | DRY: 62 WET: 56 |

Values reflect an average among test performed in our laboratory according to the standard requirements and/or through third party laboratory.

Test are performed on actual production, first choice material. Values may vary between single individual production run.

Ceramica del Conca Technical team will be pleased to integrate and answer specific questions.

Ceramica del Conca SpA Technische Eigenschaften

HLA, LAVAREDO -Auflistung.

EN 14411:2016 Anhang G Erforderlich für Bla

| Verweis | Merkmale | Standard | Erforderliche Werte | | CdC-Werte: |
|-----------------------|-----------------------------|--------------|------------------------|----------|---|
| Maßstandard | Länge und Breite | ISO 10545-2 | ± 0.6% | ± 2.0 mm | Entsprechend |
| | Geradlinigkeit der Seiten | ISO 10545-2 | ± 0.5% | ± 1.5 mm | Entsprechend |
| | Rechteckigkeit | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Entsprechend |
| | Ebenheits-Mittlere Krümmung | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Entsprechend |
| | Ebenheit - Kantenkrümmung | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Entsprechend |
| | Ebenheit - Verformungen | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Entsprechend |
| | Stärke | ISO 10545-2 | ± 5% | ± 0.5 mm | Entsprechend |
| | Oberflächenqualität | ISO 10545-2 | Mindestens 95% | | Entsprechend |
| Mechanischer Standard | Wasseraufnahme | ISO 10545-3 | Maximal 0,5% | | ~ 0.1% |
| | Biegezugfestigkeit | ISO 10545-4 | > 35 N/mm ² | | Entsprechend |
| | Bruchlast | ISO 10545-4 | > 1300 N | | Entsprechend |
| | Schlagfestigkeit | ISO 10545-5 | Deklariertes Wert | | ~ 0.89 (COR) |
| | Lineare Wärmeausdehnung | ISO 10545-8 | Deklariertes Wert | | $\alpha = \sim 6.4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| | Thermische Stoßfestigkeit | ISO 10545-9 | bestehend | | Entsprechend |
| | Feuchtigkeitsausdehnung | ISO 10545-10 | Deklariertes Wert | | ~ 0.04 mm/m |
| | Krachender Widerstand | ISO 10545-11 | bestehend | | Entsprechend |
| | Frostbeständigkeit | ISO 10545-12 | bestehend | | Entsprechend |
| | Chemische Beständigkeit | ISO 10545-13 | Mindestklasse GB | | Entsprechend |
| | DEEP Abrieb | ISO 10545-6 | <175mm ³ | | 135mm ³ |
| | Mohs | | Deklariertes Wert | | Mohs ≥6 |

| | | | | | | |
|---------------------|------------------------------|--------------------------------------|-------------------------------|--------------------------|------|-------------------------------------|
| Sicherheitsstandard | Internationale Anforderungen | Fleckenbeständigkeit | ISO 10545-14 | Mindestklasse 3 | | Entsprechend |
| | | Brandreaktion - Boden | EN 13823 | Nicht erforderlich | | A1fl-Klasse (Keine Reaktion) |
| | | Brandreaktion - Wand | EN 13823 | Nicht erforderlich | | A1-Klasse (Keine Reaktion) |
| | | Voc | | | | Kein VOC |
| | EU-Anforderungen | Rampenwiderstand | DIN51130 | Nicht erforderlich | Nat | R10 |
| | | | | | Grip | R11 |
| | | | | | 20mm | R11 |
| | | Barfuß-Rampenwiderstand | DIN51097 | Nicht erforderlich | Nat | B |
| | | | | | Grip | C |
| | | | | | 20mm | C |
| | US-Anforderungen | Dynamischer Reibungskoeffizient DCOF | ANSI A326.3-2017 release 2019 | Nasswert bei $\geq 0,42$ | Nat | 0.62 |
| | | | | | Grip | 0.80 |
| | | | | | 20mm | 0.68 |
| | IT-Anforderungen | Bestimmung der Pantoffel BCR tortus | DM 236-89 | $> 0,40$ | Nat | DRY: 0.41 WET: 0.59 |
| | | | | | Grip | DRY: 0.71 WET: 0.83 |
| | | | | | 20mm | DRY: >1 WET: 0.95 |
| | UK-Anforderungen | Pendel | BS 7976-2: 2002 | >36 | Nat | DRY: 57 WET: 37 |
| | | | | | Grip | DRY: 63 WET: 55 |
| | | | | | 20mm | DRY: 62 WET: 56 |

Die Werte spiegeln einen Durchschnitt der in unserem Labor durchgeführten Tests nach den Standardanforderungen oder durch das Labor dritter Parteien wider.

Die Tests werden an der tatsächlichen Produktion, dem Material erster Wahl, durchgeführt. Die Werte können zwischen einzelnen Produktionsläufen variieren.

Das technische Team von Ceramica Del Conca hilft Ihnen gerne bei speziellen Anfragen.

Fiche Technique Ceramica del Conca SpA

Collection: HLA, LAVAREDO

EN 14411:2016 Annexe G Bla

| Zone de référence | Fonctionnalités | Législation | Valeurs requises | | Performance: |
|------------------------|--|--------------|------------------------|----------|---|
| Normes dimensionnelles | Mesure de la longueur et de la largeur | ISO 10545-2 | ± 0.6% | ± 2.0 mm | Conforme |
| | Mesure de la rectitude des arêtes | ISO 10545-2 | ± 0.5% | ± 1.5 mm | Conforme |
| | Mesure de l'orthogonalité | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Mesures de planéité - La courbure du centre | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Mesures de planéité - La courbure des arêtes | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Mesures de planéité - Mesures de voilé | ISO 10545-2 | ± 0.5% | ± 2.0 mm | Conforme |
| | Mesure d'épaisseur | ISO 10545-2 | ± 5% | ± 0.5 mm | Conforme |
| | Qualité de surface | ISO 10545-2 | Minimum 95% | | Conforme |
| Normes mécaniques | Absorption de l'eau | ISO 10545-3 | Maximum 0,5% | | ~ 0.1% |
| | Module de rupture | ISO 10545-4 | > 35 N/mm ² | | Conforme |
| | Rupture de la charge | ISO 10545-4 | > 1300 N | | Conforme |
| | Résistance aux chocs | ISO 10545-5 | Valeur déclarée | | ~ 0.89 (COR) |
| | Expansion thermique linéaire | ISO 10545-8 | Valeur déclarée | | $\alpha = \sim 6.4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| | Résistance aux chocs thermiques | ISO 10545-9 | Passer | | Conforme |
| | Expansion de l'eau | ISO 10545-10 | Valeur déclarée | | ~ 0.04 mm/m |
| | Résistance au tressailage | ISO 10545-11 | Passe | | Conforme |
| | Résistance au gel | ISO 10545-12 | Passe | | Conforme |
| | Résistance aux attaques chimiques | ISO 10545-13 | Classe minimale GB | | Conforme |
| | Abrasion profonde | ISO 10545-6 | <175mm ³ | | 135 mm³ |
| | Mohs | | Valeur déclarée | | Mohs ≥6 |

| | | | | | | |
|--------------------|------------------------|--|-------------------------------|---------------------------|-------------------------------|--------------------------------------|
| Normes de sécurité | Normes internationales | Résistance aux taches | ISO 10545-14 | Classe minimale 3 | | Conforme |
| | | Résistance au feu - Sol | EN 13823 | Non requis | | Classe A1fl (Pas de réaction) |
| | | Résistance au feu - Revêtement | EN 13823 | Non requis | | Classe A1 (Pas de réaction) |
| | | VoC | | | | Pas de VoC |
| | Norme de l'UE. | Rampe (D) | DIN51130 | Non requis | Nat | R10 |
| | | | | | Grip | R11 |
| | | | | | 20mm | R11 |
| | | Rampe pieds nus (D) | DIN51097 | Non requis | Nat | B |
| | | | | | Grip | C |
| | | | | | 20mm | C |
| | Norme de USA | Coefficient dynamique de friction DCOF | ANSI A326.3-2017 Release 2019 | Valeur humide \geq 0,42 | Nat | 0.62 |
| | | | | | Grip | 0.80 |
| | | | | | 20mm | 0,68 |
| | Normes informatiques | BcR tortus Slippery Determination | DM 236-89 | $> 0,40$ | Nat | Sec: 0.41 Humide: 0.59 |
| | | | | | Grip | Sec: 0.71 Humide: 0.83 |
| | | | | | 20mm | Sec: >1 Humide: 0,95 |
| Standard UK | PENDULUM | BS 7976-2: 2002 | > 36 | Nat | Sec: 57 Humide: 37 | |
| | | | | Grip | Sec: 63 Humide: 55 | |
| | | | | 20mm | Sec: 62 Humide: 56 | |

Les valeurs revenant une moyenne entre différents tests se sont déclaré les normes de référence dans nos laboratoires et dans les centres d'analyse externes.

Les tests sont effectués uniquement sur produits de production, en premier choix. Les valeurs peuvent varier entre différents lots de production.

L'équipe technique de Ceramica del Conca sera content de vous assistant en cas de demandes spécifiques.