

Technical data sheet

Product: **WLAMH012**
 Color: **multicoloured**
 Nominal size: **40x4,5 cm**
 Declared size: **398x45x7 mm**

Serie: **Concept**
 Norm: **EN 14411:annex L, BIII**
 Declaration: **W 13 01**
 Group of goods: **wall tile - listel**
 Product type: **listel**

Surface: **flat glossy**

| Technical characteristics | Norm | EN 14411:annex L BIII | LB/RAKO |
|--|-----------------------|---|------------------------------------|
| Tolerance - Length/width | ISO 10545-2 | ± 0,5% | ± 0,4% |
| Tolerance - Thickness | ISO 10545-2 | ± 10% | ± 5% |
| Tolerance - Straightness | ISO 10545-2 | ± 0,3% | ± 0,2% |
| Tolerance - Rectangularity | ISO 10545-2 | ± 0,5% | ± 0,3% |
| Tolerance - Surface flatness | ISO 10545-2 | ± 0,5% | ± 0,25% |
| Surface quality | ISO 10545-2 | Min. 95% | Min. 95% |
| Water absorption | ISO 10545-3 | E>10% | E>10% |
| Breaking strength | ISO 10545-4 | >= 7,5 mm min. 600 N < 7,5 mm min. 200 N | >=200 N |
| Modulus of rupture | ISO 10545-4 | Min. 12 N/mm2 Ind.min. 15 N/mm2 | Min. 12 N/mm2 Ind.min. 15 N/mm2 |
| Coefficient of linear thermal expansion | ISO 10545-8 | Declared value | Max. 0,000008 / K |
| Thermal shock resistance | ISO 10545-9 | Required | Resistant |
| Crazing resistance | ISO 10545-11 | Required | Resistant |
| Freeze-thaw resistance | ISO 10545-12 | Declared value | Unsatisfactory |
| Durability for: internal use | EN 14411 | Pass | Pass |
| Bond strength/adhesion-cem. adhesives | EN 12004:2007+A1:2012 | Declared value | >=0,5 N/mm2 |
| Bond strength/adhesion-dispers. adhesiv. | EN 12004:2007+A1:2012 | Declared value | NPD* |
| Bond strength/adhesion-rea. resin adhes. | EN 12004:2007+A1:2012 | Declared value | NPD* |
| Bond strength/adhesion-mortar | EN 12004:2007+A1:2012 | Declared value | NPD* |
| Moisture expansion | ISO 10545-10 | Declared value | 0,6 mm/m |
| Light reflectance value LRV | ISO 10545-18 | Not required | |
| Impact resistance: Coef. of restit. | ISO 10545-5 | Declared value | Min. 0,6 |
| Reaction to fire | no testing 96/603 EHS | Class A1 | Class A1 |
| Resistance to staining | ISO 10545-14 | Min. 3 | Min. 3 |
| Resistance to low conc.of acids/alkalis | ISO 10545-13 | Declared value | B |
| Resistance to high conc.of acids/alkalis | ISO 10545-13 | Declared value | B |
| Resist. to house. chem. and swim. pool | ISO 10545-13 | Min. B | A |
| Release of dang.subs.: Cadmium (GL) | ISO 10545-15 | Declared value | NPD* |
| Release of dang.subs.: Lead (GL) | ISO 10545-15 | Declared value | NPD* |
| Surface hardness according to Mohs | EN 101 | Not required | Min. 3 |
| The reference life (RSL) | ISO 14 025/EN 15804 | 50 years | 50 years |
| Assessment of nat.radionuclide content | CZ Imp.422/2016 | Max. index 1,0 | Max. index 1,0 |

* No Performance Determined – NPD