

# Technical data sheet

Product: **WARMB290** standard  
 Type of product: **wall tile**  
 Series: **Urban**  
 Surface: **matt**

Nominal size: **20x40 cm**  
 Work size: **398x198x7 mm**  
 Norm: **EN 14 411:2016,annex L BIII**

Technical characteristics	Norm	EN 14 411:2016 annex L BIII	LB/RAKO
<b>Dimensions and surface quality</b>			
- Length / width	ISO 10545-2	± 0,5%	± 0,5%
- Thickness	ISO 10545-2	± 10%	± 10%
- Straightness	ISO 10545-2	± 0,3%	± 0,3%
- Rectangularity	ISO 10545-2	± 0,5%	± 0,5%
- Surface flatness	ISO 10545-2	± 0,5%	± 0,5%
- Surface quality	ISO 10545-2	Min. 95%	Min. 95%
Water absorption	ISO 10545-3	E>10%	E>10%
Modulus of rupture	ISO 10545-4	Min. 12 N/mm <sup>2</sup> Ind.min. 15 N/mm <sup>2</sup>	Min. 12 N/mm <sup>2</sup> Ind.min. 15 N/mm <sup>2</sup>
Breaking strength	ISO 10545-4	7,5 mm min. 600 N 7,5 mm min. 200 N	7,5 mm min. 600 N 7,5 mm min. 200 N
Coefficient of linear thermal expansion	ISO 10545-8	Declared value	Max. 0,000008 / K
Crazing resistance	ISO 10545-11	Required	Resistant
Thermal shock resistance	ISO 10545-9	Required	Resistant
Resistance to acid and alkali			
- low concentrations	ISO 10545-13	Declared value	GLB
- high concentrations	ISO 10545-13	Declared value	GHB
Resistance to house and pools chemicals	ISO 10545-13	Min. GB	GB
Resistance to staining	ISO 10545-14	Min. 3	Min. 3
Lead release	ISO 10545-15	Declared value	Pb max. 0,80 mg/dm <sup>2</sup>
Cadmium release	ISO 10545-15	Declared value	Cd max. 0,07 mg/dm <sup>2</sup>
Surface hardness according to Mohs	EN 101	Not required	Min. 3