

# Technical data sheet

Product: **WARV4501**  
Color: **grey**  
Type of product: **wall tile**  
Surface: **relief matt**  
Series: **Next**

Nominal size: **30x60 cm**  
Work size: **598x298x10 mm**  
Editing edges: **rectified**  
Norm: **EN 14 411:2016,annex L BIII**

| Technical characteristics               | Norm         | EN 14 411:2016<br>annex L BIII                             | LB/RAKO                                                    |
|-----------------------------------------|--------------|------------------------------------------------------------|------------------------------------------------------------|
| <b>Dimensions and surface quality</b>   |              |                                                            |                                                            |
| - Length / width                        | ISO 10545-2  | ± 0,5%                                                     | ± 0,4%                                                     |
| - Thickness                             | ISO 10545-2  | ± 10%                                                      | ± 5%                                                       |
| - Straightness                          | ISO 10545-2  | ± 0,3%                                                     | ± 0,2%                                                     |
| - Rectangularity                        | ISO 10545-2  | ± 0,5%                                                     | ± 0,3%                                                     |
| - 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%                                                      |
| Modulus of rupture                      | ISO 10545-4  | Min. 12 N/mm <sup>2</sup><br>Ind.min. 15 N/mm <sup>2</sup> | Min. 12 N/mm <sup>2</sup><br>Ind.min. 15 N/mm <sup>2</sup> |
| Breaking strength                       | ISO 10545-4  | # 7,5 mm min. 600 N<br># 7,5 mm min. 200 N                 | # 7,5 mm min. 600 N<br># 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                                                    | GA                                                         |
| 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                                                     |