

TECHNICAL DATA SHEET

Valid for: **NBK Emmerich**

TERRART - LARGE, -MID, -SOLID

M 1.0X, M 2.0X, M 3.0X; M 4.0X, M 5.0X, M 6.0X, M 7.0X, M 8.0X, M 9.0X, EMX

Specification	Remarks	Result	Testing method
Water absorption		The requirements for extruded ceramic tiles of Group A _{IIa} and A _{IIb} according to DIN 14411:2012 are fulfilled	EN ISO 10545 part 3
Modulus of rupture natural and glazed The requirements of DIN EN 14411: 2012, group A _{IIa} and A _{IIb} , are fulfilled.	please see footnote 3) below on this site	> 17,5 N / mm ²	EN ISO 10545 part 4
Body density		2.05 - 2.20kg/dm ³	
Frost resistance	100 cycles	fulfilled	EN ISO 10545 part 12
Harmful and efflorescent Salts Content		well below the permitted max. limit	DIN 105 part 1
Chemical resistance		class HA fulfilled	EN ISO 10545 part 13
Dimensions and Tolerances			
Cutting length (width) in direction of hole	600 - 1.800mm 1.800 - 3.000mm	± 1 mm unglazed ± 2 mm glazed ± 2 mm unglazed ± 4 mm glazed	EN ISO 10545 part 2
Height transverse to direction of hole	150 - 800 mm to 250mm to 400mm to 600mm to 800mm	± 2,0 mm ± 2,5 mm ± 3,0 mm ± 3,5 mm	EN ISO 10545 part 2
Thickness	to 40mm over 40mm	± 1,5 mm ± 3,0 mm	EN ISO 10545 part 2
Straightness of sides in direction of hole	to 600mm over 600mm	± 1,5 mm ± 0,25% of length	EN ISO 10545 part 2
Centre curvature		± 0,25% of diagonal	EN ISO 10545 part 2
Edge curvature in direction of hole	to 800mm over 800mm	± 2,0 mm ± 0,25% of edge length	EN ISO 10545 part 2
Edge curvature transverse to direction of hole	to 300mm over 300mm	± 1,5mm ± 0,5% of edge length	EN ISO 10545 part 2

REMARKS:

- 1) The tiles are ceramics made from natural materials, so small variations in colour, size and consistency from the sample façade are unavoidable. All other formats, dimensions and special sizes are available on inquiry basis. Subject change without notice.
- 2) Technical values and tolerances for special items are not covered by our technical data sheet (curved, handformed, pressed, slipcasted, post processed) and can only be determined with a 1:1 production sample.
- 3) The flexural strength corresponds to the material constant only for homogeneous smooth plates with full-profile section. For plates with core holes, cutouts, borings, notches, uneven or corrugated surfaces etc. the flexural strength can be lower. This must be taken into account in the structural calculation, in particular also when calculating the wind load resistance. Neither the static calculation nor the calculation of the wind load resistance is the responsibility of NBK. The buyer is the only one who is responsible for this and must instruct his structural engineer accordingly.