

HEGSEL® UltraTile R13

R13 Acid-Resistant Tiles

You Build, We Protect!

Unglazed Split Tile Series

Unglazed Stoneware Split Tile, according to EN 14411 - A_b / Gray - yellow

Chemical Composition		Dimensions	
		Manufactured	Nominal
Al ₂ O ₃	20 - 25 %	240 x 115 x 10 mm 240 x 115 x 14 mm	250 x 125 x 10 mm 250 x 125 x 14 mm
TiO ₂	1.2 – 1.5 %	240 x 115 x 18 mm 240 x 115 x 25 mm	250 x 125 x 18 mm 250 x 125 x 25 mm
Fe ₂ O ₃	< 1.2 %	240 x 115 x 30 mm 240 x 115 x 40 mm	250 x 125 x 30 mm 250 x 125 x 40 mm

Characteristics	Standard	Value
Water absorption	EN ISO 10545-3	< 1.0 %
Breaking load	EN ISO 10545-4	10 mm > 2.666 N, 25 mm > 16.660 N 14 mm > 3.155 N, 30 mm > 23.991 N 18 mm > 8.637 N, 40 mm > 42.651 N
Thermal expansion coefficient	EN ISO 10545-8	6.0 × 10 ⁻⁶ mmK ⁻¹
Frost resistance	EN ISO 10545-12	Resistant
Glaze crazing resistance	EN ISO 10545-11	Resistant
Thermal Shock Resistance	EN ISO 10545-9	Resistant
Abrasion resistance	EN ISO 10545-6 (ugl) EN ISO 10545-7 (gl)	< 185 mm ³
Modulus of rupture	EN ISO 10545-4	> 40 MPa
Resistance to low concentrations of acids and alkalis	EN ISO 10545-13	ULA
Resistance to high concentrations of acids and alkalis	EN ISO 10545-13	UHA
Resistance to domestic chemicals and additives for swimming pools	EN ISO 10545-13	UA
Resistance to staining	EN ISO 10545-14	4
Slip resistance	EN 16165:2021 annex B	R13
Slip resistance	EN 16165:2021 annex A	RH C

Main Application

HEGSEL UltraTile R13 can be used for floors and equipment in various industries, including chemical and petrochemical plants, steel / copper plants, power plants, fertilizer plants, pharmaceuticals, pulp / paper plants, etc.

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All information contained herein is based on the current state of our knowledge and practical experience at the time of release. Therefore, please make sure that this is the latest edition of the Technical Data Sheet. All data are only intended as a guideline for informational purposes and do not constitute a legally-binding warranty of the suitability for a certain purpose of use, due to its dependence on site conditions and possible processing, use and applications. All information contained in this technical datasheet is subject to change without notice.

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