

# FATTO A MANO / HANDMADE ANTICATO / RINASCIMENTALE

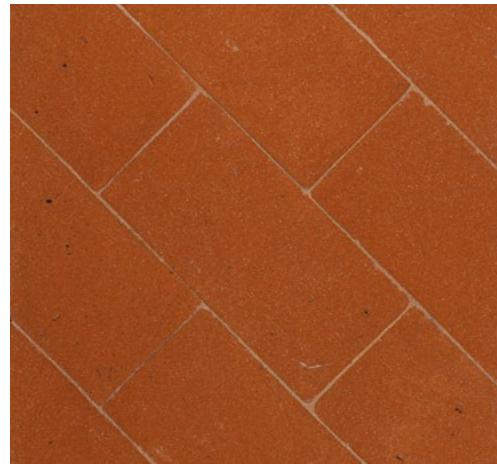
## TECHNICAL CHARACTERISTICS

### NORMS

### EN-NORM VALUES

### MANETTI VALUES

	length	UNI EN 98	$\pm 1,5\%$ max	
	thickness	UNI EN 98	$\pm 10\%$ max	
	straightness of sides	UNI EN 98	$\pm 10\%$ max	
	rectangularity	UNI EN 98	$\pm 1,5\%$ max	
	surface flatness centre curvature	UNI EN 98	$\pm 1\%$ max	
	surface flatness warpage	UNI EN 98	$\pm 1,5\%$ max	
	surface quality	UNI EN 98	percentage of acceptable tiles in the lot free visible defects 95 min	corresponding
	water absorption	ISO 10545-3	average value $3 < E \leq 6$	7,3
	modulus of rupture	UNI EN 100	average value $> 10 \text{ N/mm}^2$	$> 13,7 \text{ N/mm}^2$
	scratch hardness of surface (Mohs)	UNI EN 101	unglazed tiles 5 min	5
	abrasion resistance	ISO 10545-6	removed volume in $\text{mm}^3$ 771 max	1116 $\text{mm}^3$
	resistance to light			resistant
	linear thermal expansion	ISO 10545-8	coefficient linear thermal expansion from ambient temperature $< 10 \times 10^{-6}/^\circ\text{C}$	$7,4 \times 10^{-6}/^\circ\text{C}$
	thermal shock resistance	UNI EN 104 ASTM/C 484	free of visible defects	resistant
	res. to household chemical swimming pool water cleaners	ISO 10545	free of visible defects	resistant
	resistance to acid and alkalis	ISO 10545-13	unglazed tiles	resistant
	frost resistance	ISO 10545-12	free of visible defects	resistant
	sliding resistance	B.R.C.A. DIN 51130	leather on dry surface $\mu > 0,40$ test on inclined lan	R10



MANETTI  
GUSMANO  
& FIGLI

SANNINI  
impruneta