

# ALEXIA

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The bricks are mainly produced from alluvial clays from the sedimentary region of the river Meuse. The river eroded the Ardennes rock formations and carried along the eroded materials. In the flooded region of the river's lower course, these materials were eventually deposited as sediments. Judicious mixing of the clay deposits produces just the right kind of base material for the production of hand form bricks.

## COLOUR

a soft shade of beige to light red and brown

## FORMAT

### HAND FORM

DF 208 x 101 x 65 mm

NF 236 x 112 x 72 mm

*From one series to another, the average size may slightly differ.*

## INDIVIDUAL CHARACTERISTICS



NEN EN 771-1 Cat. I - HD

Norm. compressive strength	$\geq 20 \text{ N/mm}^2$
Dimensions: tolerance category	T2
Dimensions: range category	R1
Dimensional stability	NPD (No performance determined)
Adhesive strength (mortar)	$0,15 \text{ N/mm}^2$ ( $0,30 \text{ N/mm}^2$ )
Active soluble salts	S2
Reaction to fire	Euroclass A1 (TOC < 0,1%)
Water absorption	$\leq 11\% \text{ m/md}\%$ (m/md)
Initial rate of water absorption	$1,5 - 4,0 \text{ kg/m}^2 \cdot \text{min}$
Water vapour diffusion coefficient	50/100 (EN 1745)
Net dry density	$\text{kg/m}^3$ (D1)
Gross dry density	$1880 \text{ kg/m}^3$ (D1)
Equivalent thermal conductivity	0,56 W/m.K
Freeze / thaw resistance	F2
Dangerous substances	NPD (No performance determined)

### Plants:

Vandersanden Hedikhuizen  
Bokhovenseweg 8  
5256 TC HEDIKHUIZEN (NL)

Vandersanden Spijk  
Spijksedijk 25  
6917 AD SPIJK (NL)