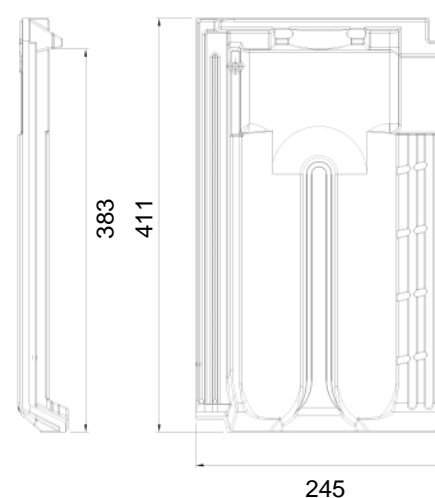# Vario 5

The flat roof tile, which resembles the typical roofs of the Italian landscape. Easy to lay, good water drainage, lightweight. Flexible overlap up to 5 cm.

TECHNICAL DATA	UM	
Dimension	mm	411(L) x 245(W)
Weight	kg	2,8
Batten gauge	mm	300 – 350 (recom. 345)
Mechanical strength	daN	> 120
External fire resistance		B_{roof}
Reaction to fire		A1
Covering capacity	pcs/sqm	ca. 14
Minimum pitch		35% (19,3°)
Packaging	pcs/pallet	180 (domestic pack.) 280 (export pack.)
SRI (Solar Reflectance Index)		Natural red: 54

Dimensions in millimeters

Braas clay roof tiles satisfy the requirements of the **UNI EN 1304** reference norm and the test methods for the following characteristics:

- Impermeability
- Frost resistance
- Mechanical resistance

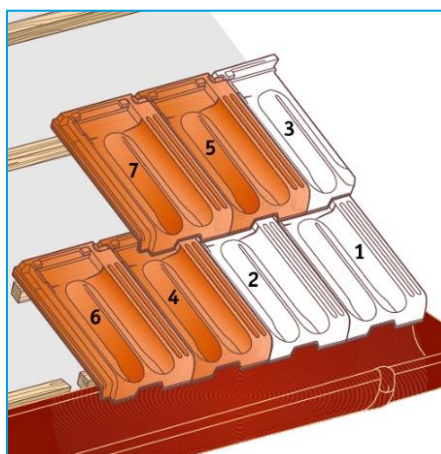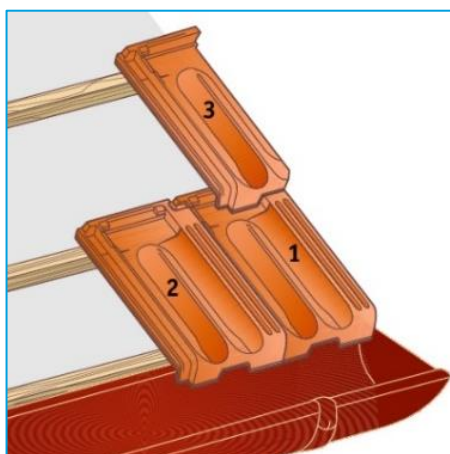The conformity with the UNI EN 1304 standard is guaranteed by the CE marking.

Braas roof tiles are tested according to UNI EN 539/2 and pass the test after 400 freeze-thaw cycles (the norm requires 90 cycles for Italy and 150 cycles for the northern European countries). This performance ensures the durability even with harsh climate conditions.

Installation Instructions

1. The roof tiles must be installed on battens or proper support
   (min. batten size 40 x 40 mm)
2. The roof tiles must be installed with broken bonds (not aligned joints)
3. The installation of roof tiles at a roof pitch < 35% is not possible
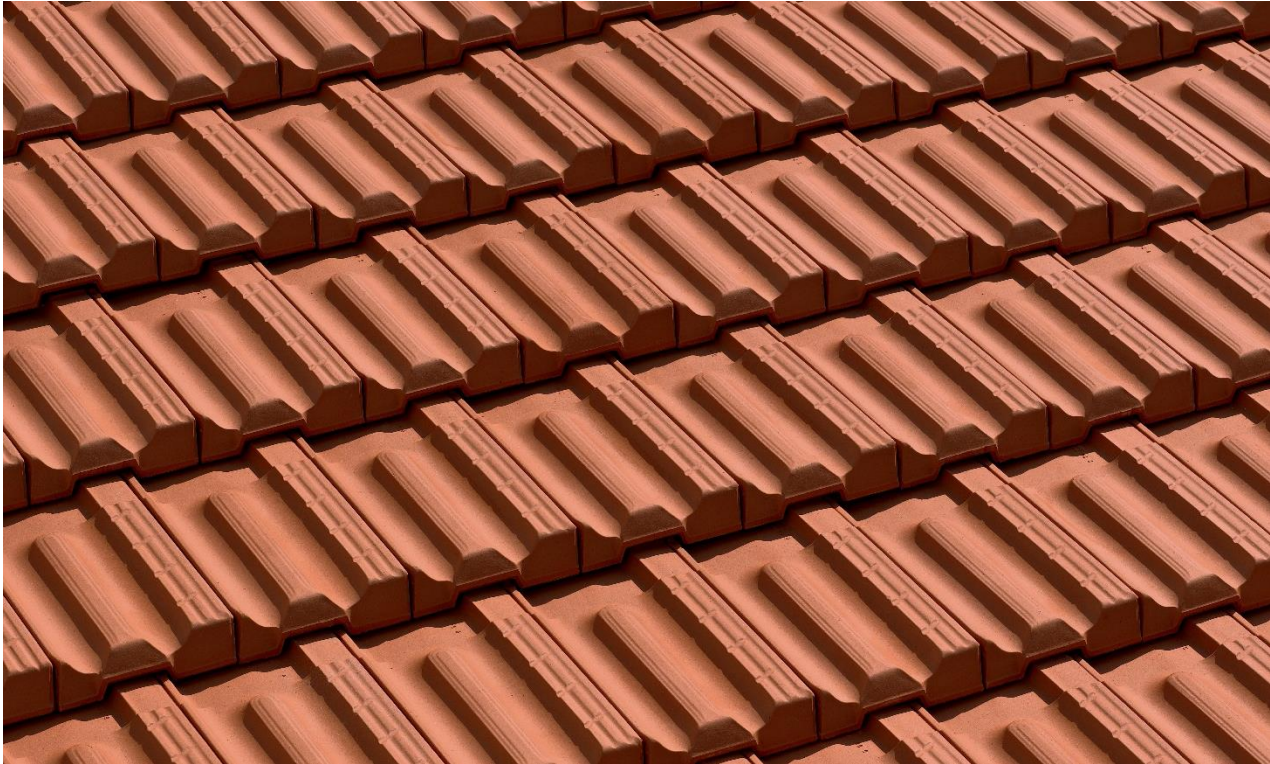4. Use of waterproofing underlay is always necessary (see below)

Roof pitch				Installation instructions	
Degrees		%		Waterproofing layer	Batten Distance
from	to	from	to		
	≥ 30,6°		≥ 60	A waterproofing underlay is always recommended to avoid leakages in case of adverse climate conditions.	Recommended batten gauge: 345 mm
24,1°	30,6°	45	60		
19,3°	24,1°	35	45		Recommended batten section: 40 mm x 40 mm
< 19,3°		< 35		not possible	

Sequence of Installation

source: A.N.D.I.L

Colour Range

Vario 5 natural red