

Plasma



GEOMETRIC
CHARACTERISTICS

EN 1024



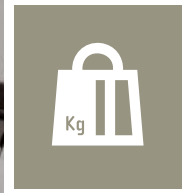
FROST RESISTANCE

EN 539-2



FLEXURAL
STRENGTH

EN 538



IMPERMEABILITY

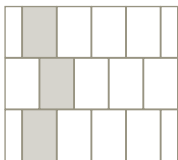
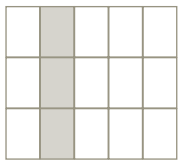
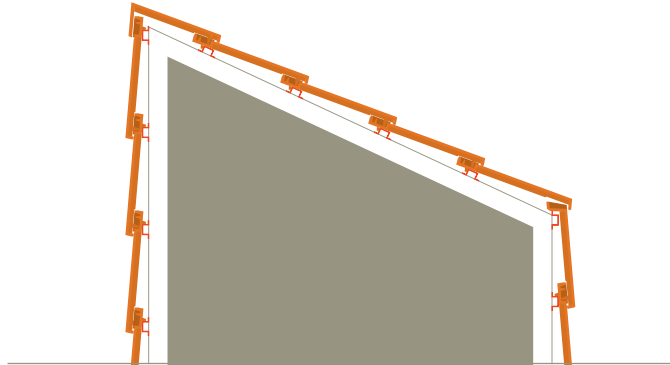
EN 539-1



Plasma is **the Premium quality brand plain interlocking roof tile of CS**



←
Colour Steel Grey



According to the intended aesthetic aspect, **Plasma tile may be laid with its joints either aligned or crossed**, ensuring identical performance in both situations, concerning water entry.

With an innovating design, totally flat and extremely smooth, after being installed seems like a perfect rectangle.

It is intended not only to cover roofs but also façades, pointing to a whole new concept of integrated clay covering.

Produced using state-of-the-art technology, namely in pressing and firing processes, Plasma features laterally a system of perfectly defined, high and vertical

double ribs and, at its top, a large expansion chamber that ensure **the best water tightness, even in very harsh climatic situations.**



More than 40 fittings available



The high firing temperatures to which Plasma is subjected guarantees an optimal level of water absorption and the necessary **physical and chemical characteristics to ensure the best behavior in presence of ice.**



Plasma is produced in red clay, and it can be finished with **high quality engobes or enamels in uniform patterns**, in a range of satin natural tones, shock and friction-resistant.





Colours and Shades

Note: the reproduction of the original colours may not be guaranteed due to print quality.



N.00 Natural Red



M.32 Copper Green



L.34 Natural Glazed



M.31 Steel Grey



M.30 Anthracite



L.33 Pearl White



L.38 Metalic Grey



M.31 Steel Grey TX1



M.30 Anthracite TX1



L.33 Pearl White TX1



L.38 Metalic Grey TX1



M.31 Steel Grey TX2



M.30 Anthracite TX2



L.33 Pearl White TX2



L.38 Metalic Grey TX2

**For original applications.
Simple but daring.**

Textured effect for those who value a different decorative finish, in a perfect balance between aesthetics and function.

(↵) TX1

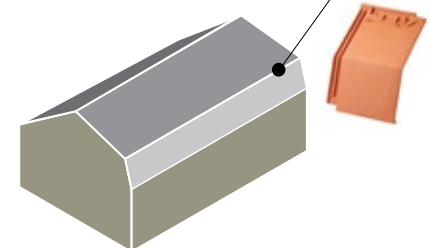
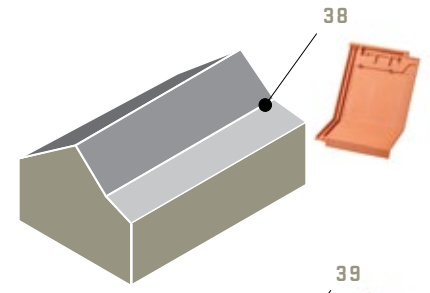
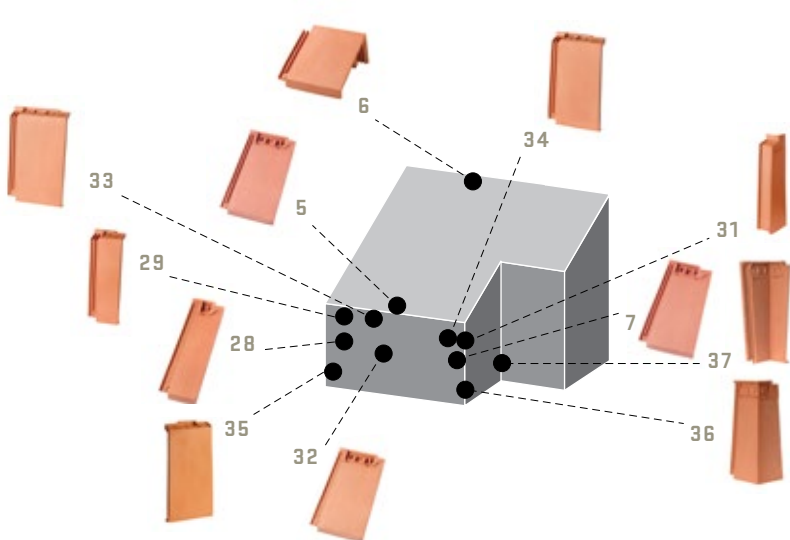
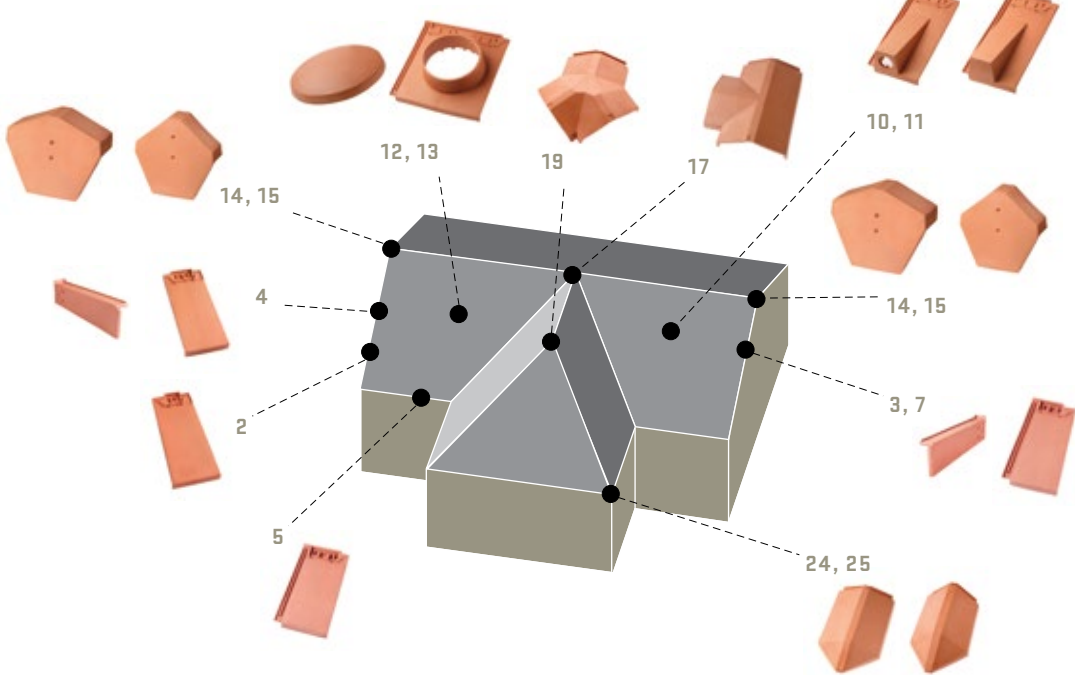
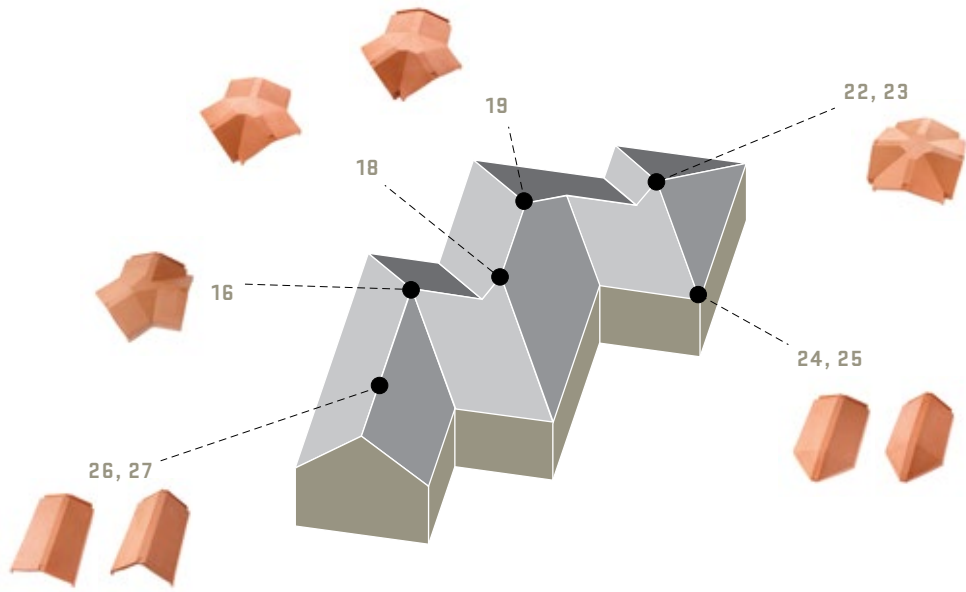
TX1 design has a set of vertical lines harmoniously distributed on the surface of the piece.



(↵) TX2

TX2 design has a regular set of vertical flutes that finish off a rounded base.





GENERAL

- 1 Half tile
- 2 Gable rake left
- 3 Gable rake right
- 4 Verge tile left
- 5 Eave tile
(with no ribs on the back side)
- 6 Monopitch tile
- 7 Gable rake tile right
- 8 Gable rake tile left
- 9 Ventilation tile
- 10 Tube passage tile
- 11 Safety step tile
- 12 Cap for roof tile
with opening Ø250
- 13 Roof tile with opening Ø250

RIDGES AND HIPS

- 14 PL1 Ridge end cap
- 15 PL2 Ridge end cap
- 16 PL1 3-Way apex, L-shaped
- 17 PL1 3-Way apex, T-shaped
- 18 PL1 3-Way apex male
- 19 PL1 3-Way apex female
- 20 PL2 3-Way apex male
- 21 PL2 3-Way apex female
- 22 PL1 4-Way apex
- 23 PL2 4-Way apex
- 24 PL1 Hip starter
- 25 PL2 Hip starter
- 26 PL1 Ridge tile
- 27 PL2 Ridge tile

FAÇADE

- 28 Half façade tile
- 29 Half linkage tile
- 30 Linkage gable rake (left)
- 31 Linkage gable rake (right)
- 32 Façade tile
(with no ribs on the back side)
- 33 Linkage tile
- 34 Linkage tile right
- 35 Linkage tile left
- . Fixing clip
- 36 External façade corner
- 37 Internal façade corner

MANSARD

- 38 Concave mansard tile
- 39 Convex mansard tile

CHIMNEY

- 40 Chimney cap A Ø125/Ø150
- 41 Chimney cap B Ø125/Ø150
- 42 Chimney cap C Ø125
- 44 Chimney Ø125/Ø150 x 200/450
- 45 Chimney support tile Ø125

ORNAMENTAL

- . Ball pyramid
- . Buds pyramid
- . Fine pyramid
- . Hefty pyramid
- . Pigeon I
- . Pigeon II
- . Turtle dove
- . Large arrow
- . Small arrow

COMPLEMENTARY

- . Ridge tile hooks
- . Aluminium flashing tape
- . Ridge and hip ventilation roll
- . Eave ventilation comb
- . Ridge and hip batten bracket





Applicable norm: EN 1304

Clay roofing tiles for discontinuous laying.
Product definitions and specifications.

Test	Applicable standard	Standard requirements	Plasma
Flexural strength	EN 538	Resistance > 900N	Exceed
Impermeability	EN 539-1	According to level 1 (model 2)	Accomplish
Frost resistance	EN 539-2	Resistance Level 3 (method E)	Exceed
Geometric characteristics	EN 1024	Planarity ≤ 1.5%	Accomplish
		Rectilinearity ≤ 1.5%	Accomplish



Roof tile dimensions (approx.)	48,8 x 25,2 cm
Roof tile weight (approx.)	4 kg
Roof tiles per m ² (approx.)	12.5
Roof tiles per pallet	200
Pallet weight (approx.)	815 kg



CS Info
+351.244 479 200



CS - Coelho da Silva

Albergaria
2480-071 Juncal
Portugal

fax +351.244 479 201
www.cs-rooftiles.com
info@coelhodasilva.pt

