MASSIVE STONE CONSTRUCTION

Formula to calculate CO2 emissions of your project in albamiel stone

> CO2 emissions M2*(21,42 + (kmc*0,04) + (kmb*0,05))



And our proposal **to compensate them**



Tree communities to be planted to ensure that your **ALBAMIEL** building is **O carbon**

kg of CO2 the arboreal absorbed per community proposed

5.160

stone square metres you need for your building site 21,42 Kg de CO2 emitted per m2* (7,2 production + 3,62 placement + 0,0037 maintenance + 10,60 deconstrucción) kmc are the road kilometres from the production site to the construction site (each m2 emits 0.04 kg of CO2 per km travelled on the road*) kmb are Km by boat from the production site to the construction site (each m2 emits 0.005 kg CO2 per km travelled by ship*)





The calculated CO2 emissions include **extraction** and **processing**, **placement**, its **maintenance for 100 years** (estimated life of the house), **and its future deconstruction** including **transport** within 50 km, either to be reused in a new one or to be returned to the earth.

*ALBAMIEL stone FDES report based calculations ** transport calculator edited by the CTMNC *** data calculated from the study 'Natural CO2 sinks' study by Professor Manuel Enrique Figueroa Clemente (Seville University). We consider half absorption of an adult specimen multiplied by its life expectancy.



DOUBLE EAFV STONEWALL

Formula to calculate **CO2** emissions of your project in albamiel stone





m2ex*(21,42 + (kmc*0.04) + (kmb*0.005)) + m2int*(8.24 + (kmc*0.014) + (kmb*0.002))





And our proposal to compensate them



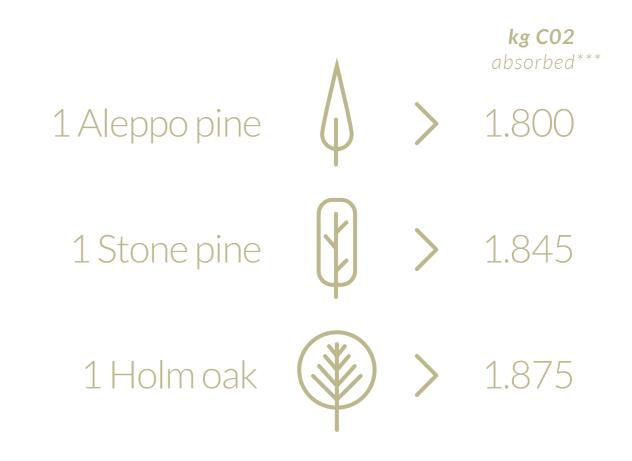


Tree communities to be planted to ensure that your **ALBAMIEL** building is **O carbon**

5.160

m2ex are square meters of exterior stone walls you need for your project 21.42 kg of CO2 emitted per m2* (7.2 production + 3.62 installation + 0.0037 maintenance + **10**,**60** deconstruction) **m2int 8.2437** Kg of CO2 emitted per m2* (2.4 in production + 2.29 installation + 0.0037 maintenance + 3.55 deconstruction) **kmc** is the km traveled on the road between the production site and the construction site (each m2 of exterior wall emits 0.04 kg of CO2 per km traveled on the road and 0.014 per m2 of interior wall*) **kmb** is the boat mileage from the production site to the construction site (each m2 of exterior wall emits 0.005 kg of CO2 per km traveled by boat and 0.002 per m2 of interior wall**)

The proposed Mediterranean tree community



The calculated CO2 emissions include **extraction** and **processing**, **placement**, its **maintenance for 100** years (estimated life of the house), and its future deconstruction including transport within 50 km, either to be reused in a new one or to be returned to the earth.

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