

13. 산화칼슘

(1) quicklime, in pieces, loose, at plant

Reference function	information
Name	quicklime, in pieces, loose, at plant
Unit	kg
Category	construction materials
Subcategory	additives
Amount	1
Included processes	Includes the calcination process. Also included is the electricity consumption for preheating of the heavy fuel oil and one part of the total heating energy for "production" and "administration". Equipment included in the infrastructure: 2 vertical kilns; not included is the use of fireproof bricks since no data are available. Only the measured emissions are included.
General comment	Infrastructure data are estimated based on a tour and sketches of the process. The value of the infrastructure is normalized with a annual production capacity of about 75'000tons of product per year. The estimated lifespan of the machines is 25 years. Only measured emissions are taken into account. The distribution of the dust emissions to the different categories of sizes are made based on the information of the CEPMEIP-Database and adapted. This Module describes a pre-product for the milling process, and therefore for module "quicklime, milled, loose, at plant".
Infrastructure included	Yes
Dataset relates to product	Yes
Geography	data are from only one company in Switzerland (KFN), for some exchanges RER-modules have been used as proxy
Technology	The company KFN works on a technically high level. Two vertical kilns are in use. The fuel for the calcination process is heavy fuel oil.
Start year	2000
End year	2002