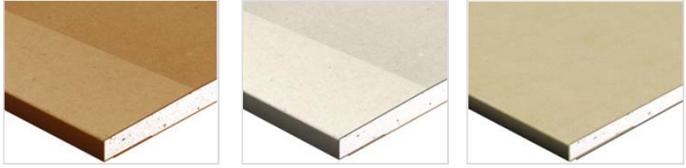
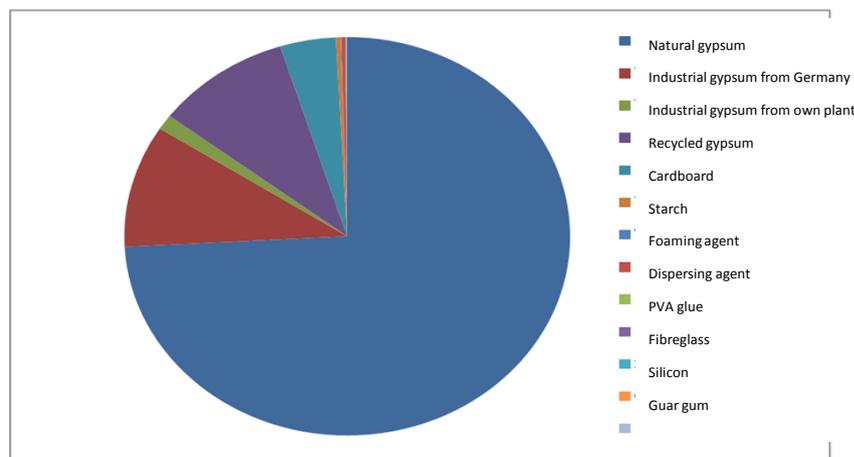
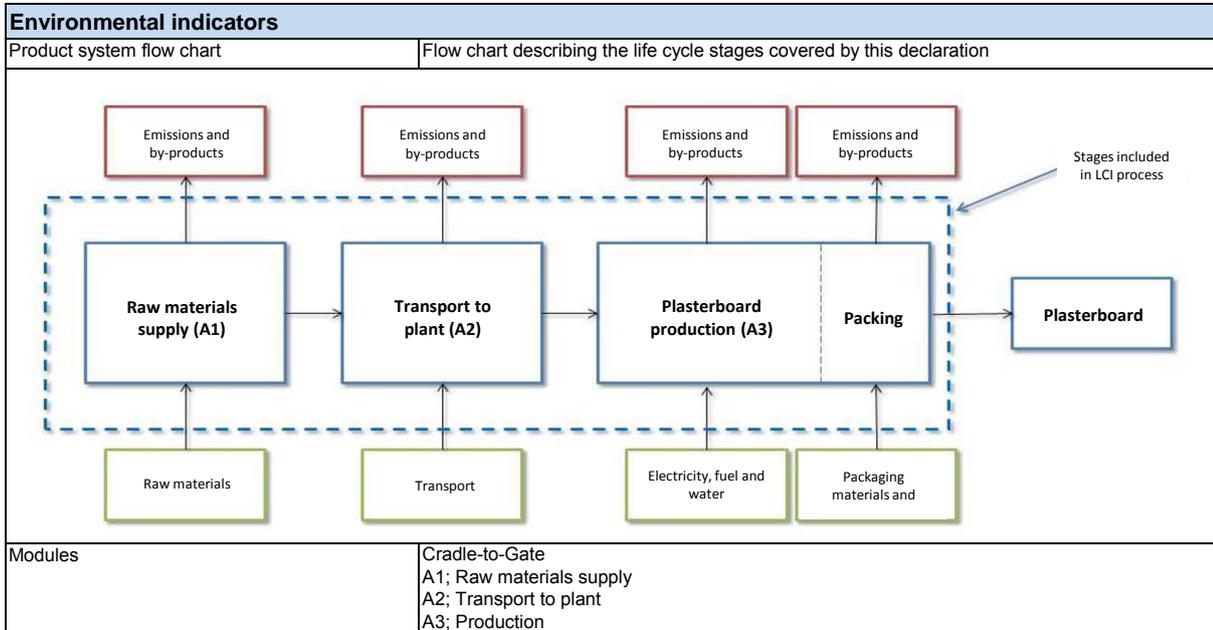


Environmental Product Declaration (EN 15804)	Saint-Gobain Rakennustuotteet Oy / Gyproc Plasterboard
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Key information	
Manufacturer Address	Saint-Gobain Rakennustuotteet Oy PO Box 44 02401 Kirkkonummi, Finland
Use of product	Plasterboard produced by Saint-Gobain Rakennustuotteet Oy is a construction product made out of gypsum, water and cardboard, used in the walls, floors and ceilings of buildings.
Declared unit	One kilogram of finished plasterboard
Specification of construction product	Gyproc plasterboard manufactured at the Saint-Gobain Rakennustuotteet Oy plant in Kirkkonummi, Finland. 
Main product components	Natural gypsum, industrial gypsum, recycled gypsum
Software used	SimaPro7 PRé Consultants bv Printerweg 18, 3821 AD Amersfoort, Netherlands www.pre-sustainability.com
Issue date	31 August 2012
Valid until	31 August 2017
Analysed life cycle modules	This declaration covers life cycle modules A1–A3: raw materials supply, transport and manufacturing (“cradle to gate” product stage). Modules A4–A5 (construction stage), B1–B7 (use stage) and C1–C4 (end-of-life stage) are excluded from this declaration.
Note	The data in this Environmental Product Declaration are comparable only when in compliance with EN 15804. Any comparisons must take into account the product’s impact on the environmental performance of the whole building, and must be based on the product’s use stage, taking into account its entire life cycle.
General description	This declaration describes the average environmental impacts of plasterboard. The declaration refers specifically to plasterboard produced by Saint-Gobain Rakennustuotteet Oy at its plant in Kirkkonummi, Finland.
Material composition (REACH SVHC)	-



Verification	
CEN standard EN 15804 serves as the core PCRA	
Independent verification of the declaration, according to ISO 14025:2006	
Internal <input type="checkbox"/> External <input checked="" type="checkbox"/>	
^a Product category rules	



Environmental impact indicators	quantity	unit
Global warming potential (GWP)	0,28	kg CO2 eq
Ozone depletion potential (ODP)	0,000000042	kg CFC 11 eq
Acidification potential of soil and water (AP)	0,0014	kg SO2 eq
Eutrophication potential (EP)	0,00029	kg (PO4)3- eq
Formation potential of tropospheric ozone (POCP)	0,000057	kg Ethene eq
Abiotic depletion potential for non-fossil resources (ADP-elements)	0,002	kg Sb eq
Abiotic depletion potential for fossil resources (ADP-fossil fuels)	4,6	MJ

Resource use indicators	quantity	unit
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	0,4	MJ
Use of renewable primary energy resources used as raw materials	1,2	MJ
Total use of renewable primary energy resources	1,6	MJ
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	4,6	MJ
Use of non-renewable primary energy resources used as raw materials	0,03	MJ
Total use of non-renewable primary energy resources	4,6	MJ
Use of secondary material	0,22	kg
Use of renewable secondary fuels	-	MJ
Use of non-renewable secondary fuels	-	MJ
Use of fresh water	0,002	m3

Waste category indicators	quantity	unit
Hazardous waste disposed	0,0001	kg
Non-hazardous waste disposed	0,001	kg
Radioactive waste disposed	-	kg

Output flow indicators	quantity	unit
Components for reuse	-	kg
Materials for recycling	0,0007	kg
Materials for energy recovery	-	kg
Exported energy	-	MJ

Other information	
Use stage	B1-B7
Plasterboard sections generated as waste during installation may be delivered to the Gyproc plant in Kirkkonummi, Finland. The gypsum from them can be recycled in manufacturing new Gyproc boards. The addition of pure gypsum waste does not weaken the properties of the manufactured board, and the recycling process saves natural resources and promotes overall life cycle management.	
When properly used and maintained, plasterboard is a long-lasting construction material. It can be washed, painted and recoated or papered. Surface damage and holes can easily be repaired using products and instructions provided by Gyproc.	
For proper building air quality, indoor air issues must be taken into account at all stages of planning, construction and use of a building. The choice of indoor construction materials is one of many factors affecting final indoor air quality. The Finnish Building Information Foundation classifies construction materials according to three ratings, of which M1 denotes the highest quality. Being awarded the M1 symbol indicates that a product has been independently laboratory-tested and found to fulfil the requirements of the M1 rating at an age of four weeks under standard test conditions. The M1 symbol indicates low emissions. All Gyproc indoor boards have been awarded the M1 rating.	
End-of-life stage	C1-C4
Surface-coated or otherwise treated plasterboard which becomes waste upon disassembly is currently non-recyclable and must be delivered to an appropriate waste management facility.	

References:	
EN 15804:2012	Sustainability of construction works. Environmental product declarations. Core rules for the product category of construction products.
LCA 10/2012	Saint-Gobain Rakennustuotteet Oy. Gyproc Plasterboard. Life Cycle Analysis according to ISO 14040 and EN 15804.
Additional information	www.gyproc.fi Petri Tapio, petri.tapio@saint-gobain.com