


Product Environmental Profile

Floor box for 500 Cima, Cima & K45 Series



Registration number	SIMO-00004-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
		Supplemented by	PSR-0005-ed3-EN-2023 06 06
Verifier accreditation number	VH45	Information and reference documents	www.pep-ecopassport.org
Date of issue	November 2024	Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025:2006			
Internal		External	X
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)			
PEP is complaint with XP CO08-100-1:2016 or EN 50693:2019			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025:2006 “Environmental labels and declarations. Type III environmental declarations”			

Company information

SIMON S.A.U.
Sancho de Ávila, 66
08018, Barcelona

Contact person: Ana Belen Rodríguez Martínez, abrm@simon.es

Product description and homogeneous environmental family

This Product Environmental Profile (PEP) includes Floor boxes for Simon's 500 Cima, Cima and K45 series. The PEP includes a group of similar products, which all belong to the same product family. Floor boxes are appliances for containing electrical functions and designed for the installation in floors while protecting these elements from dust, physical damage and/or foreign objects. The floor boxes considered have the same main functionality and the same applicable standards: EN 60670-23:2008 and EN 63000:2018.

The differences between the floor boxes of this homogeneous environmental family fall mainly on the design differences of the ranges included: 500 Cima, Cima and K45. Each design range has a characteristic shape. In addition to the variation in shape due to the design, the colour of each product also represents variations within the family. Nevertheless, all the products are made of the same materials (mainly polycarbonate and steel) produced with the same manufacturing method.

The reference product of the family is **KF670-1 grey floor box 70 mm depth for 6 mechanisms from K45 range.**

Extrapolation coefficients will be calculated and applied for each stage of the life cycle to calculate the impacts of the other products of the family.

Functional unit

Functional unit: Floor box for 6 elements with a degree of protection IP4X with a reference lifetime of 20 years.

Dimensions: 226 x 187 x 76 mm

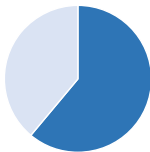
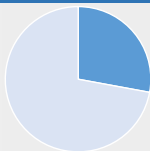
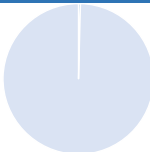
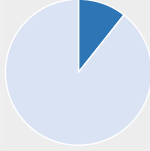
The reference flow is the product itself with its unitary packaging:

- Product with packaging: 1,012.15 g
- Product without packaging: 904.09 g

The reference lifetime is defined by the corresponding Product Specific Rules for this type of products in 20 years.

Constituent materials

The reference product consists of several plastic and metal components assembled to obtain the final product. The packaging of the reference product consists mainly of a cardboard box and a plastic bag.

Material		Weight	Percentage
Plastics 61.03 % 	Polycarbonate	529.34 g	52.30%
	ABS	87.32 g	8.63%
	Polyamide	0.80 g	0.08%
	Polyethylene	0.30 g	0.03%
Metals 27.89 % 	Steel	279.05 g	27.57%
	Brass	3.28 g	0.32%
Others 0.40 % 	Cable	4.00 g	0.40%
Packaging 10.68 % 	Cardboard	100.70 g	9.95%
	Paper	5.97 g	0.59%
	Polyester	1.39 g	0.14%
Reference product		904.09 g	89.32%
Packaging		108.06 g	10.68%
TOTAL		1,012.15 g	100%

Manufacturing stage

This stage includes the production, industrial transformation, manufacturing processes and transportation of raw materials and components making up the reference product. The raw materials of the product received from suppliers are transformed, assembled, packaged and tested by Simon in their manufacturing plant in Martorelles (Spain). The generated wastes attributed to the manufacturing of the reference product have also been considered. In addition to these aspects, this stage also includes the transport from the manufacturing plant to Simon's last logistics platform in Spain, from where the products are distributed to the customers throughout the world.

Distribution stage

The products are directly distributed from Simon's logistics platform to the final customers. The distribution scenario comprises the following destinations:

Destination	Percentage (%)	Type of transport
Spain	64.90 %	Continental transport
Poland	24.04 %	Continental transport
Portugal	2.50 %	Continental transport
France	2.42 %	Continental transport
Sweden	2.01 %	Continental transport
Morocco	1.48 %	Continental transport
Bulgaria	0.96 %	Continental transport
Germany	0.67 %	Continental transport
Russia	0.52 %	Continental transport
Georgia	0.10 %	Continental transport
Italy	0.07 %	Continental transport
Peru	0.07 %	Continental transport
Latvia	0.06 %	Continental transport
Equatorial Guinea	0.06 %	Intercontinental transport
Belgium	0.04 %	Continental transport
Reunion	0.04 %	Intercontinental transport
Estonia	0.04 %	Continental transport
Slovenia	0.01 %	Continental transport
Romania	< 0.00 %	Continental transport
Algeria	< 0.00 %	Intercontinental transport

Installation stage

The Installation stage of the floor boxes consists of the manual installation of the reference product by the customer, without energy consumption. The product is packaged without any additional component apart from the boxes itself (disposed in the end-of-life stage) and the packaging (disposed in the installation stage). For this reason, no installation waste must be considered in the installation of the product apart from the packaging waste. The scenario for the end-of-life of the packaging components has been determined by the PSR for the distribution scope.

Use stage

Due to the nature of the product, no aspect (i.e. maintenance and energy consumption) is included in this stage during its reference lifetime (20 years).

End of life stage

In the end-of-life stage, the following aspects were considering:

- The transportation of the components to the treatment site. As there is no data available for the end-of-life stage, the PSR indicates to take 1,000 km by lorry into consideration.
- The treatment process of the reference product.

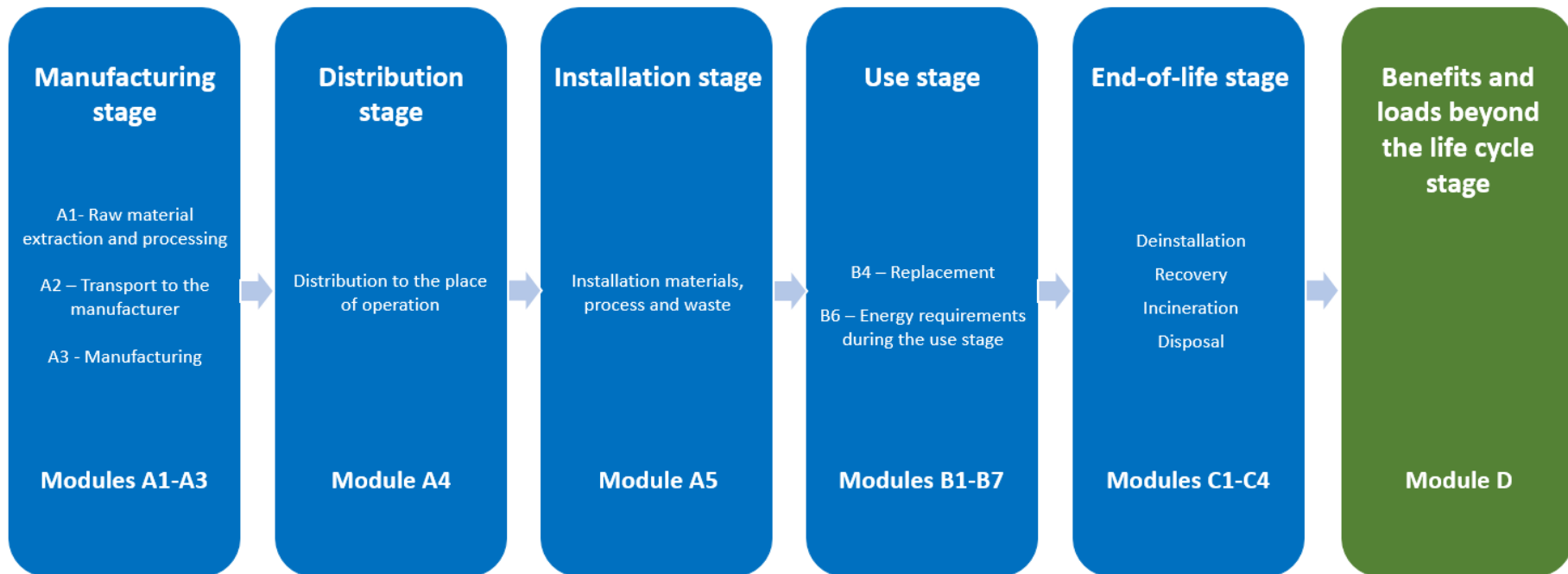
The reference product is covered by the WEEE Directive 2012/19/EU, and therefore its end-of-life is regulated. To reach the main EU objectives on recycling of this kind of products, the waste management of the reference product should be taken care by a producer responsibility organisation.

For the end-of-life of the product, data on the treatment of WEEE in the European Union in 2018 from the Eurostat database has been used to calculate the end-of-life scenario for European scope; while for the rest of the world PSR-default scenario has been used: 50% incineration without energy recovery and 50% landfilling.

Destination	Percentage of sales (%)	End-of-life scenario *		
		Recycling	Incineration	Landfilling
Europe	98.35 %	83.90 %	4.60 %	11.50 %
Rest of the world	1.65 %	00.00 %	50 %	50 %

Environmental impacts

The environmental impacts of the reference product have been evaluated for the five stages described above: manufacturing, distribution, installation, use and end-of-life stages. Additionally, each one of these stages have been divided when required into several modules.



The environmental impact assessment has been carried out with Simapro 9.5.0.1 tool and the background databases have been retrieved from Ecoinvent 3.9 libraries.

Results of mandatory indicators per Functional Unit of the reference product:

Impact category	Unit	Total	Manufacturing stage (modules A1-A3)		Distribution stage (module A4)		Installation stage (module A5)		Module B6	Use stage (modules B1-B7)		End-of-life stage (modules C1-C4)		Benefits (module D)
Climate change - Total	kg CO ₂ eq	5.94E+00	5.10E+00	85.82%	2.06E-01	3.46%	2.43E-01	4,09%	0.00E+00	0.00E+00	0.00%	3.94E-01	6.63%	-3.20E+00
Climate change – Fossil	kg CO ₂ eq	5.91E+00	5.30E+00	89.74%	2.05E-01	3.48%	7.42E-03	0,13%	0.00E+00	0.00E+00	0.00%	3.94E-01	6.66%	-3.19E+00
Climate change – Biogenic	kg CO ₂ eq	2.69E-02	-2.09E-01	-46.98%	6.51E-05	0.01%	2.36E-01	52,93%	0.00E+00	0.00E+00	0.00%	3.67E-04	0.08%	-1.22E-02
Climate change - Luluc	kg CO ₂ eq	9.40E-03	9.03E-03	96.08%	1.00E-04	1.06%	2.29E-06	0,02%	0.00E+00	0.00E+00	0.00%	2.66E-04	2.83%	-3.83E-03
Ozone depletion (OD)	kg CFC-11 eq	1.79E-06	1.78E-06	99.45%	4.44E-09	0.25%	1.77E-10	0,01%	0.00E+00	0.00E+00	0.00%	5.31E-09	0.30%	-2.50E-07
Acidification of soil and water (A)	mol H ⁺ eq	2.88E-02	2.69E-02	93.55%	6.82E-04	2.37%	3.10E-05	0,11%	0.00E+00	0.00E+00	0.00%	1.14E-03	3.97%	-1.40E-02
Freshwater eutrophication	kg P eq	2.02E-04	1.94E-04	96.11%	1.65E-06	0.82%	6.13E-08	0,03%	0.00E+00	0.00E+00	0.00%	6.15E-06	3.04%	-1.19E-04
Marine aquatic eutrophication	kg N eq	5.32E-03	4.76E-03	89.34%	2.30E-04	4.33%	1.21E-05	0,23%	0.00E+00	0.00E+00	0.00%	3.25E-04	6.11%	-2.64E-03
Terrestrial eutrophication	mol N eq	5.75E-02	5.14E-02	89.45%	2.46E-03	4.29%	1.35E-04	0,23%	0.00E+00	0.00E+00	0.00%	3.46E-03	6.03%	-2.79E-02
Photochemical ozone creation (POCP)	kg NMVOC eq	2.42E-02	2.18E-02	90.14%	1.01E-03	4.16%	5.25E-05	0,22%	0.00E+00	0.00E+00	0.00%	1.33E-03	5.49%	-1.31E-02
Depletion of abiotic resources – elements	kg Sb eq	1.26E-04	1.24E-04	98.20%	6.58E-07	0.52%	2.99E-08	0,02%	0.00E+00	0.00E+00	0.00%	1.59E-06	1.26%	-2.51E-05
Depletion of abiotic resources – Fossil fuels	MJ	1.10E+02	1.02E+02	93.30%	2.91E+00	2.66%	8.17E-02	0,07%	0.00E+00	0.00E+00	0.00%	4.35E+00	3.97%	-6.28E+01
Water use	m ³ eq. depriv.	2.59E+00	2.55E+00	98.13%	1.19E-02	0.46%	4.97E-04	0,02%	0.00E+00	0.00E+00	0.00%	3.61E-02	1.39%	-1.56E+00

Results of inventory flows indicators & indicators describing the use of secondary materials for the reference product:

Impact category	Unit	Total	Manufacturing stage (modules A1-A3)	Distribution stage (module A4)	Installation stage (module A5)	Module B6	Use stage (modules B1-B7)	End-of-life stage (modules C1-C4)	Benefits (module D)
PERE	MJ	9.64E+00	9.31E+00	4.49E-02	6.22E-03	0.00E+00	0.00E+00	2.73E-01	-3.73E+00
PERM	MJ	2.49E+00	2.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	1.21E+01	1.18E+01	4.49E-02	6.22E-03	0.00E+00	0.00E+00	2.73E-01	-3.73E+00
PENRE	MJ	9.08E+01	8.34E+01	2.91E+00	8.17E-02	0.00E+00	0.00E+00	4.35E+00	-6.28E+01
PENRM	MJ	1.88E+01	1.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	1.10E+02	1.02E+02	2.91E+00	8.17E-02	0.00E+00	0.00E+00	4.35E+00	-6.28E+01
SM	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	6.61E-02	6.42E-02	4.14E-04	3.71E-05	0.00E+00	0.00E+00	1.44E-03	-4.24E-02

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW: Freshwater use

Results of waste category indicators and output flow indicators for the reference product:

Impact category	Unit	Total	Manufacturing stage (modules A1-A3)	Distribution stage (module A4)	Installation stage (module A5)	Module B6	Use stage (modules B1-B7)	End-of-life stage (modules C1-C4)	Benefits (module D)
Hazardous waste disposed	kg	5.59E-04	5.20E-04	1.85E-05	4.26E-07	0.00E+00	0.00E+00	1.99E-05	-1.29E-04
Non-hazardous waste disposed	kg	1.41E+00	9.96E-01	1.42E-01	1.18E-02	0.00E+00	0.00E+00	2.63E-01	-4.63E-01
Radioactive waste disposed	kg	2.30E-04	2.24E-04	9.38E-07	6.93E-08	0.00E+00	0.00E+00	4.35E-06	-6.69E-05
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	1.08E+00	2.45E-01	0.00E+00	8.52E-02	0.00E+00	0.00E+00	7.46E-01	0.00E+00
Materials for energy recovery	kg	1.19E-01	6.07E-02	0.00E+00	9.81E-03	0.00E+00	0.00E+00	4.82E-02	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Results of biogenic carbon for the reference product:

Indicator	Unit	Quantity
Biogenic carbon content of the product	Kg of C	0.00E+00
Biogenic carbon content of the packaging	kg of C	6.43E-02

Extrapolation rules

Extrapolations factors have been calculated to extrapolate the results of the reference product for the rest of the products of the homogeneous environmental family of floor boxes for Simon K45, Simon 500 Cima and Simon Cima series. These extrapolation factors are based on the main environmental aspects for each life cycle stage, since all the products of the family have the same manufacturing method and materials:

- Manufacturing, distribution and benefits stages: the total weight of each product (sum of the product itself and the packaging).
- Installation stage: weight of the packaging components of each product.
- Use stage: energy consumption due to the electrical losses of each product during the reference lifetime.
- End-of-life stage: weight of each product without the packaging components.

Extrapolation coefficients:

Range	SKU	Manufacturing stage (A1-A3)	Distribution stage (A4)	Installation stage (A5)	Use stage (B1-B7)	End-of-life stage (C1-C4)	Benefits (D)
500 CIMA	52050001-035	5.62E-01	5.62E-01	5.62E-01	1.00E+00	5.62E-01	5.62E-01
500 CIMA	52050001-038	4.62E-01	4.62E-01	4.62E-01	1.00E+00	4.62E-01	4.62E-01
500 CIMA	52050002-035	7.65E-01	7.65E-01	7.65E-01	1.00E+00	7.65E-01	7.65E-01
500 CIMA	52050002-036	1.39E+00	1.39E+00	1.39E+00	1.00E+00	1.39E+00	1.39E+00
500 CIMA	52050002-038	7.77E-01	7.77E-01	7.77E-01	1.00E+00	7.77E-01	7.77E-01
500 CIMA	52050003-035	9.73E-01	9.73E-01	9.73E-01	1.00E+00	9.73E-01	9.73E-01
500 CIMA	52050003-036	1.51E+00	1.51E+00	1.51E+00	1.00E+00	1.51E+00	1.51E+00
500 CIMA	52050003-038	9.62E-01	9.62E-01	9.62E-01	1.00E+00	9.62E-01	9.62E-01
500 CIMA	52050004-035	1.20E+00	1.20E+00	1.20E+00	1.00E+00	1.20E+00	1.20E+00
500 CIMA	52050004-036	1.79E+00	1.79E+00	1.79E+00	1.00E+00	1.79E+00	1.79E+00
500 CIMA	52050004-038	1.23E+00	1.23E+00	1.23E+00	1.00E+00	1.23E+00	1.23E+00
500 CIMA	52050006-035	1.65E+00	1.65E+00	1.65E+00	1.00E+00	1.65E+00	1.65E+00
500 CIMA	52050006-038	1.65E+00	1.65E+00	1.65E+00	1.00E+00	1.65E+00	1.65E+00
500 CIMA	52050101-035	5.85E-01	5.85E-01	5.85E-01	1.00E+00	5.85E-01	5.85E-01
500 CIMA	52050101-038	5.77E-01	5.77E-01	5.77E-01	1.00E+00	5.77E-01	5.77E-01
500 CIMA	52050102-035	7.77E-01	7.77E-01	7.77E-01	1.00E+00	7.77E-01	7.77E-01
500 CIMA	52050102-038	8.85E-01	8.85E-01	8.85E-01	1.00E+00	8.85E-01	8.85E-01
500 CIMA	52050103-035	1.03E+00	1.03E+00	1.03E+00	1.00E+00	1.03E+00	1.03E+00
500 CIMA	52050103-038	1.03E+00	1.03E+00	1.03E+00	1.00E+00	1.03E+00	1.03E+00
500 CIMA	52050104-035	1.27E+00	1.27E+00	1.27E+00	1.00E+00	1.27E+00	1.27E+00
500 CIMA	52050104-038	1.24E+00	1.24E+00	1.24E+00	1.00E+00	1.24E+00	1.24E+00
500 CIMA	52050106-035	1.73E+00	1.73E+00	1.73E+00	1.00E+00	1.73E+00	1.73E+00
500 CIMA	52050106-038	1.73E+00	1.73E+00	1.73E+00	1.00E+00	1.73E+00	1.73E+00
500 CIMA	52050202-035	9.62E-01	9.62E-01	9.62E-01	1.00E+00	9.62E-01	9.62E-01
500 CIMA	52050203-035	1.60E+00	1.60E+00	1.60E+00	1.00E+00	1.60E+00	1.60E+00
500 CIMA	52050204-035	1.83E+00	1.83E+00	1.83E+00	1.00E+00	1.83E+00	1.83E+00
500 CIMA	52052101-035	5.88E-01	5.88E-01	5.88E-01	1.00E+00	5.88E-01	5.88E-01
500 CIMA	52052102-035	5.69E-01	5.69E-01	5.69E-01	1.00E+00	5.69E-01	5.69E-01

Range	SKU	Manufacturing stage (A1-A3)	Distribution stage (A4)	Installation stage (A5)	Use stage (B1-B7)	End-of-life stage (C1-C4)	Benefits (D)
500 CIMA	52052103-035	6.81E-01	6.81E-01	6.81E-01	1.00E+00	6.81E-01	6.81E-01
500 CIMA	52052104-035	8.15E-01	8.15E-01	8.15E-01	1.00E+00	8.15E-01	8.15E-01
500 CIMA	52052106-035	1.02E+00	1.02E+00	1.02E+00	1.00E+00	1.02E+00	1.02E+00
500 CIMA	52052203-033	4.19E+00	4.19E+00	4.19E+00	1.00E+00	4.19E+00	4.19E+00
500 CIMA	52052204-033	4.09E+00	4.09E+00	4.09E+00	1.00E+00	4.09E+00	4.09E+00
500 CIMA	52052206-033	6.64E+00	6.64E+00	6.64E+00	1.00E+00	6.64E+00	6.64E+00
500 CIMA	52053101-035	4.00E-02	4.00E-02	4.00E-02	1.00E+00	4.00E-02	4.00E-02
500 CIMA	52053101-038	3.77E-02	3.77E-02	3.77E-02	1.00E+00	3.77E-02	3.77E-02
500 CIMA	52053102-035	5.92E-02	5.92E-02	5.92E-02	1.00E+00	5.92E-02	5.92E-02
500 CIMA	52053102-038	6.00E-02	6.00E-02	6.00E-02	1.00E+00	6.00E-02	6.00E-02
500 CIMA	52053103-035	8.54E-02	8.54E-02	8.54E-02	1.00E+00	8.54E-02	8.54E-02
500 CIMA	52053103-038	8.54E-02	8.54E-02	8.54E-02	1.00E+00	8.54E-02	8.54E-02
500 CIMA	52053104-035	1.03E-01	1.03E-01	1.03E-01	1.00E+00	1.03E-01	1.03E-01
500 CIMA	52053104-038	1.05E-01	1.05E-01	1.05E-01	1.00E+00	1.05E-01	1.05E-01
500 CIMA	52053106-035	1.55E-01	1.55E-01	1.55E-01	1.00E+00	1.55E-01	1.55E-01
500 CIMA	52053106-038	1.68E-01	1.68E-01	1.68E-01	1.00E+00	1.68E-01	1.68E-01
500 CIMA	52053202-035	6.92E-02	6.92E-02	6.92E-02	1.00E+00	6.92E-02	6.92E-02
500 CIMA	52053203-035	1.12E-01	1.12E-01	1.12E-01	1.00E+00	1.12E-01	1.12E-01
500 CIMA	52053204-035	1.69E-01	1.69E-01	1.69E-01	1.00E+00	1.69E-01	1.69E-01
500 CIMA	52054101-035	4.23E-01	4.23E-01	4.23E-01	1.00E+00	4.23E-01	4.23E-01
500 CIMA	52054101-038	4.23E-01	4.23E-01	4.23E-01	1.00E+00	4.23E-01	4.23E-01
500 CIMA	52054102-035	5.96E-01	5.96E-01	5.96E-01	1.00E+00	5.96E-01	5.96E-01
500 CIMA	52054102-038	6.04E-01	6.04E-01	6.04E-01	1.00E+00	6.04E-01	6.04E-01
500 CIMA	52054103-035	7.73E-01	7.73E-01	7.73E-01	1.00E+00	7.73E-01	7.73E-01
500 CIMA	52054103-038	7.73E-01	7.73E-01	7.73E-01	1.00E+00	7.73E-01	7.73E-01
500 CIMA	52054104-035	9.27E-01	9.27E-01	9.27E-01	1.00E+00	9.27E-01	9.27E-01
500 CIMA	52054104-038	9.15E-01	9.15E-01	9.15E-01	1.00E+00	9.15E-01	9.15E-01
500 CIMA	52054106-035	1.30E+00	1.30E+00	1.30E+00	1.00E+00	1.30E+00	1.30E+00
500 CIMA	52054106-038	1.34E+00	1.34E+00	1.34E+00	1.00E+00	1.34E+00	1.34E+00
500 CIMA	52055000-030	6.77E-02	6.77E-02	6.77E-02	1.00E+00	6.77E-02	6.77E-02
500 CIMA	52055000-033	6.77E-02	6.77E-02	6.77E-02	1.00E+00	6.77E-02	6.77E-02
500 CIMA	52055000-038	7.08E-02	7.08E-02	7.08E-02	1.00E+00	7.08E-02	7.08E-02
K45	ACSE	1.62E-02	1.62E-02	1.62E-02	1.00E+00	1.62E-02	1.62E-02
K45	G11	5.58E-01	5.58E-01	5.58E-01	1.00E+00	5.58E-01	5.58E-01
K45	G201	7.31E-01	7.31E-01	7.31E-01	1.00E+00	7.31E-01	7.31E-01
K45	G22	5.81E-01	5.81E-01	5.81E-01	1.00E+00	5.81E-01	5.81E-01
K45	G300	4.31E+00	4.31E+00	4.31E+00	1.00E+00	4.31E+00	4.31E+00
K45	G301C	1.27E+00	1.27E+00	1.27E+00	1.00E+00	1.27E+00	1.27E+00
K45	G33	7.27E-01	7.27E-01	7.27E-01	1.00E+00	7.27E-01	7.27E-01
K45	G400	4.09E+00	4.09E+00	4.09E+00	1.00E+00	4.09E+00	4.09E+00
K45	G401	1.08E+00	1.08E+00	1.08E+00	1.00E+00	1.08E+00	1.08E+00
K45	G44	8.38E-01	8.38E-01	8.38E-01	1.00E+00	8.38E-01	8.38E-01
K45	G600	6.64E+00	6.64E+00	6.64E+00	1.00E+00	6.64E+00	6.64E+00
K45	G630	9.77E-01	9.77E-01	9.77E-01	1.00E+00	9.77E-01	9.77E-01

Range	SKU	Manufacturing stage (A1-A3)	Distribution stage (A4)	Installation stage (A5)	Use stage (B1-B7)	End-of-life stage (C1-C4)	Benefits (D)
K45	G640	7.04E-01	7.04E-01	7.04E-01	1.00E+00	7.04E-01	7.04E-01
K45	G66	1.11E+00	1.11E+00	1.11E+00	1.00E+00	1.11E+00	1.11E+00
K45	KF1201/8	5.66E-01	5.66E-01	5.66E-01	1.00E+00	5.66E-01	5.66E-01
K45	KF1210/1	1.74E+00	1.74E+00	1.74E+00	1.00E+00	1.74E+00	1.74E+00
K45	KF1210/14	1.74E+00	1.74E+00	1.74E+00	1.00E+00	1.74E+00	1.74E+00
K45	KF1270/1	1.69E+00	1.69E+00	1.69E+00	1.00E+00	1.69E+00	1.69E+00
K45	KF1270/14	1.69E+00	1.69E+00	1.69E+00	1.00E+00	1.69E+00	1.69E+00
K45	KF200/1	9.85E-01	9.85E-01	9.85E-01	1.00E+00	9.85E-01	9.85E-01
K45	KF201/8	5.85E-02	5.85E-02	5.85E-02	1.00E+00	5.85E-02	5.85E-02
K45	KF210/1	5.85E-01	5.85E-01	5.85E-01	1.00E+00	5.85E-01	5.85E-01
K45	KF210/14	5.85E-01	5.85E-01	5.85E-01	1.00E+00	5.85E-01	5.85E-01
K45	KF270/1	5.66E-01	5.66E-01	5.66E-01	1.00E+00	5.66E-01	5.66E-01
K45	KF270/14	4.69E-01	4.69E-01	4.69E-01	1.00E+00	4.69E-01	4.69E-01
K45	KF300C/1	1.57E+00	1.57E+00	1.57E+00	1.00E+00	1.57E+00	1.57E+00
K45	KF400/1	1.87E+00	1.87E+00	1.87E+00	1.00E+00	1.87E+00	1.87E+00
K45	KF401/8	5.85E-02	5.85E-02	5.85E-02	1.00E+00	5.85E-02	5.85E-02
K45	KF410/1	7.77E-01	7.77E-01	7.77E-01	1.00E+00	7.77E-01	7.77E-01
K45	KF410/14	9.23E-01	9.23E-01	9.23E-01	1.00E+00	9.23E-01	9.23E-01
K45	KF470/1	8.46E-01	8.46E-01	8.46E-01	1.00E+00	8.46E-01	8.46E-01
K45	KF470/14	8.46E-01	8.46E-01	8.46E-01	1.00E+00	8.46E-01	8.46E-01
K45	KF470/8	1.39E+00	1.39E+00	1.39E+00	1.00E+00	1.39E+00	1.39E+00
K45	KF601/8	1.58E-01	1.58E-01	1.58E-01	1.00E+00	1.58E-01	1.58E-01
K45	KF610/1	1.08E+00	1.08E+00	1.08E+00	1.00E+00	1.08E+00	1.08E+00
K45	KF610/14	1.08E+00	1.08E+00	1.08E+00	1.00E+00	1.08E+00	1.08E+00
K45	KF670/1	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
K45	KF670/14	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
K45	KF670/8	1.51E+00	1.51E+00	1.51E+00	1.00E+00	1.51E+00	1.51E+00
K45	KF801/8	1.92E-01	1.92E-01	1.92E-01	1.00E+00	1.92E-01	1.92E-01
K45	KF810/1	1.27E+00	1.27E+00	1.27E+00	1.00E+00	1.27E+00	1.27E+00
K45	KF810/14	1.27E+00	1.27E+00	1.27E+00	1.00E+00	1.27E+00	1.27E+00
K45	KF870/1	1.15E+00	1.15E+00	1.15E+00	1.00E+00	1.15E+00	1.15E+00
K45	KF870/14	1.15E+00	1.15E+00	1.15E+00	1.00E+00	1.15E+00	1.15E+00
K45	KF870/8	1.79E+00	1.79E+00	1.79E+00	1.00E+00	1.79E+00	1.79E+00
K45	KGE170/23	2.94E-01	2.94E-01	2.94E-01	1.00E+00	2.94E-01	2.94E-01
K45	KGE170TF/23	2.37E-01	2.37E-01	2.37E-01	1.00E+00	2.37E-01	2.37E-01
K45	KGH401/8	1.20E+00	1.20E+00	1.20E+00	1.00E+00	1.20E+00	1.20E+00
K45	KGH601/8	1.39E+00	1.39E+00	1.39E+00	1.00E+00	1.39E+00	1.39E+00
K45	KGH801/8	1.60E+00	1.60E+00	1.60E+00	1.00E+00	1.60E+00	1.60E+00
K45	KSE0/23/71	3.07E-01	3.07E-01	3.07E-01	1.00E+00	3.07E-01	3.07E-01
K45	KSE0/23/72	3.04E-01	3.04E-01	3.04E-01	1.00E+00	3.04E-01	3.04E-01
K45	KSE01/23/71	2.72E-01	2.72E-01	2.72E-01	1.00E+00	2.72E-01	2.72E-01
K45	KSE01/23/72	2.72E-01	2.72E-01	2.72E-01	1.00E+00	2.72E-01	2.72E-01
K45	KSE01SEC/23/71	2.72E-01	2.72E-01	2.72E-01	1.00E+00	2.72E-01	2.72E-01
K45	KSE01SEC/23/72	2.72E-01	2.72E-01	2.72E-01	1.00E+00	2.72E-01	2.72E-01

Range	SKU	Manufacturing stage (A1-A3)	Distribution stage (A4)	Installation stage (A5)	Use stage (B1-B7)	End-of-life stage (C1-C4)	Benefits (D)
K45	KSE0SEC/23/71	3.12E-01	3.12E-01	3.12E-01	1.00E+00	3.12E-01	3.12E-01
K45	KSE0SEC/23/72	3.15E-01	3.15E-01	3.15E-01	1.00E+00	3.15E-01	3.15E-01
CIMA	S100/1	4.23E-01	4.23E-01	4.23E-01	1.00E+00	4.23E-01	4.23E-01
CIMA	S100/14	4.23E-01	4.23E-01	4.23E-01	1.00E+00	4.23E-01	4.23E-01
CIMA	S105/1	4.00E-02	4.00E-02	4.00E-02	1.00E+00	4.00E-02	4.00E-02
CIMA	S105/14	3.77E-02	3.77E-02	3.77E-02	1.00E+00	3.77E-02	3.77E-02
CIMA	S200/1	5.96E-01	5.96E-01	5.96E-01	1.00E+00	5.96E-01	5.96E-01
CIMA	S200/14	6.04E-01	6.04E-01	6.04E-01	1.00E+00	6.04E-01	6.04E-01
CIMA	S205/1	6.00E-02	6.00E-02	6.00E-02	1.00E+00	6.00E-02	6.00E-02
CIMA	S205/14	6.38E-02	6.38E-02	6.38E-02	1.00E+00	6.38E-02	6.38E-02
CIMA	S215/1	6.92E-02	6.92E-02	6.92E-02	1.00E+00	6.92E-02	6.92E-02
CIMA	S300/1	7.73E-01	7.73E-01	7.73E-01	1.00E+00	7.73E-01	7.73E-01
CIMA	S300/14	7.73E-01	7.73E-01	7.73E-01	1.00E+00	7.73E-01	7.73E-01
CIMA	S305/1	8.46E-02	8.46E-02	8.46E-02	1.00E+00	8.46E-02	8.46E-02
CIMA	S305/14	8.00E-02	8.00E-02	8.00E-02	1.00E+00	8.00E-02	8.00E-02
CIMA	S315C/1	1.12E-01	1.12E-01	1.12E-01	1.00E+00	1.12E-01	1.12E-01
CIMA	S400/1	9.27E-01	9.27E-01	9.27E-01	1.00E+00	9.27E-01	9.27E-01
CIMA	S400/14	9.15E-01	9.15E-01	9.15E-01	1.00E+00	9.15E-01	9.15E-01
CIMA	S405/1	1.04E-01	1.04E-01	1.04E-01	1.00E+00	1.04E-01	1.04E-01
CIMA	S405/14	1.07E-01	1.07E-01	1.07E-01	1.00E+00	1.07E-01	1.07E-01
CIMA	S415/1	1.69E-01	1.69E-01	1.69E-01	1.00E+00	1.69E-01	1.69E-01
CIMA	S600/1	1.30E+00	1.30E+00	1.30E+00	1.00E+00	1.30E+00	1.30E+00
CIMA	S600/14	1.34E+00	1.34E+00	1.34E+00	1.00E+00	1.34E+00	1.34E+00
CIMA	S605/1	1.58E-01	1.58E-01	1.58E-01	1.00E+00	1.58E-01	1.58E-01
CIMA	S605/14	2.08E-01	2.08E-01	2.08E-01	1.00E+00	2.08E-01	2.08E-01
CIMA	SF110/1	5.77E-01	5.77E-01	5.77E-01	1.00E+00	5.77E-01	5.77E-01
CIMA	SF110/14	5.77E-01	5.77E-01	5.77E-01	1.00E+00	5.77E-01	5.77E-01
CIMA	SF170/1	5.54E-01	5.54E-01	5.54E-01	1.00E+00	5.54E-01	5.54E-01
CIMA	SF170/14	5.58E-01	5.58E-01	5.58E-01	1.00E+00	5.58E-01	5.58E-01
CIMA	SF200/1	9.62E-01	9.62E-01	9.62E-01	1.00E+00	9.62E-01	9.62E-01
CIMA	SF210/1	8.12E-01	8.12E-01	8.12E-01	1.00E+00	8.12E-01	8.12E-01
CIMA	SF210/14	8.85E-01	8.85E-01	8.85E-01	1.00E+00	8.85E-01	8.85E-01
CIMA	SF270/1	7.77E-01	7.77E-01	7.77E-01	1.00E+00	7.77E-01	7.77E-01
CIMA	SF270/14	7.77E-01	7.77E-01	7.77E-01	1.00E+00	7.77E-01	7.77E-01
CIMA	SF300C/1	1.56E+00	1.56E+00	1.56E+00	1.00E+00	1.56E+00	1.56E+00
CIMA	SF310/1	1.03E+00	1.03E+00	1.03E+00	1.00E+00	1.03E+00	1.03E+00
CIMA	SF310/14	1.03E+00	1.03E+00	1.03E+00	1.00E+00	1.03E+00	1.03E+00
CIMA	SF370/1	1.01E+00	1.01E+00	1.01E+00	1.00E+00	1.01E+00	1.01E+00
CIMA	SF370/14	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
CIMA	SF400/1	1.85E+00	1.85E+00	1.85E+00	1.00E+00	1.85E+00	1.85E+00
CIMA	SF410/1	1.27E+00	1.27E+00	1.27E+00	1.00E+00	1.27E+00	1.27E+00
CIMA	SF410/14	1.24E+00	1.24E+00	1.24E+00	1.00E+00	1.24E+00	1.24E+00
CIMA	SF470/1	1.23E+00	1.23E+00	1.23E+00	1.00E+00	1.23E+00	1.23E+00
CIMA	SF470/14	1.24E+00	1.24E+00	1.24E+00	1.00E+00	1.24E+00	1.24E+00

Range	SKU	Manufacturing stage (A1-A3)	Distribution stage (A4)	Installation stage (A5)	Use stage (B1-B7)	End-of-life stage (C1-C4)	Benefits (D)
CIMA	SF610/1	1.73E+00	1.73E+00	1.73E+00	1.00E+00	1.73E+00	1.73E+00
CIMA	SF610/14	1.73E+00	1.73E+00	1.73E+00	1.00E+00	1.73E+00	1.73E+00
CIMA	SF670/1	1.65E+00	1.65E+00	1.65E+00	1.00E+00	1.65E+00	1.65E+00
CIMA	SF670/14	1.76E+00	1.76E+00	1.76E+00	1.00E+00	1.76E+00	1.76E+00