tecnaliacertified
PRODUITS CERTIFIÉS DE MOBILIER

CERTIFICAT DE PRODUIT

DEMANDEUR:	**GRUPO FORMA 5, S.L.U.** C/ Acueducto, 12-14 Pol. Ind. Carretera de la Isla 41700 DOS HERMANAS (Sevilla) ESPAGNE
Nº CERTIFICAT:	0103202
SERIE:	**RANGEMENT MÉLAMINÉ** **(Catégories: Basic et Plus)**
PRODUIT:	Armoires et classeurs.
RÉFÉRENCES INCLUSES DANS LA PORTÉE DE LA CERTIFICATION:	Toutes les références sont incluses dans le catalogue technique /tarif de prix .

PRINCIPALES CARACTÉRISTIQUES CERTIFIÉES:

	PROCEDURE ESSAI	SPECIFICATION
Armoires	UNE-EN 14073-2:2005 UNE-EN 14073-3:2005	UNE-EN 14073-2:2005 UNE-EN 14073-3:2005
Classeurs.	UNE-EN 14074:2005	UNE-EN 14074:2005
Materiaux	Presciptions techniques établies par TECNALIA et citées à l'annexe technique.	

SYSTÈME DE CERTIFICATION:

- Inspection préalable du système de production et contrôle du fabricant.
- Essai initial du type de produit.
- Surveillance, supervision et évaluation régulière du système de qualité.
- Essais périodiques des matières premières, sur échantillons prélevés en usine.
- Essais périodiques des produits finis.

Les essais efectúes conformément à ce certificat ont été réalisés par les laboratoires de TECNALIA, lesquels sont acrédités par l'ENAC comme l'établissent (entre autres) le dossier nº4/LE024.

Date d'entrée en vigueur :	19.06.2015
Date de mise à jour :	21.07.2023
Valable jusqu'au :	24.07.2026

Nº serie: 010320203-E

tecnalia certification

Firmado digitalmente por 15966973M CARLOS MANUEL NAZABAL (R: B20991220)

Carlos Nazabal Alsua
Directeur Général

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Forma 5

EPD Environmental Product Declaration

Program PLUS STORAGE
REF: FAAP3
Dimensions: 90X42,5X196 cm

The versatility and adaptability of the office space is the main feature of the laminated storage program. Having four different heights that can be combined between them to get 12 combinations of height. They are also created to grow horizontally.

RAW MATERIALS USED (PACKAGING INCLUDED)

	Kg of raw materials included in the product	% of raw materials included in the product
ZAMAK	1,266	1,63
STEEL	0,718	0,92
ALUMINUM	0,07	0,09
CARDBOARD	0,1	0,13
LINE	0,25	0,32
MELANIN	74,4	95,66
POLYAMIDE	0,045	0,06
PAPER	0,005	0,01
POLYETHYLENE	0,021	0,03
POLYPROPYLENE	0,054	0,07
PVC	0,841	1,08
SILICONE	0,004	0,01
Total	77,774	**100%**

% Recycled Materials: 67,63%
% Recyclable Materials: 98,52%

This Program CAMPUS Environmental Product Declaration have been calculated and drafted in accordance with ISO14025 Type III standard, and based on “PCR 2012-19, Furniture, except seats and mattresses” version 2.01.

PLUS STORAGE, life cycle information

FUNCIONAL UNIT

The functional unit consists of a bilaminated door cabinet operating for a 15-year useful life.

SYSTEM LIMITS

The limits of the system include raw material, production (includes processes and facility maintenance), transportation, packaging, distribution, use, and end-of-life of both packaging and product.

SYSTEM SCOPE

The scope of the system includes the whole life cycle of the product, from obtaining the raw material, manufacturing, use and end of life. The system has been divided into three phases:
UPSTREAM: including raw materials production
CORE: including raw material transport to Forma5 (Spain, Seville), product manufacturing process and waste treatment.
DOWNSTREAM: Distribution to the customer, maintenance, use of the product and both the end of life of the product and the packaging has been included.

CERTIFICATES

- ISO 9001:2015
- ISO 14001:2015
- ISO 14006:2011
- ISO 45001:2018
- TECNALIA QUALITY BRAND

Grupo Forma 5., S.L.u.
Made in Spain, UE.

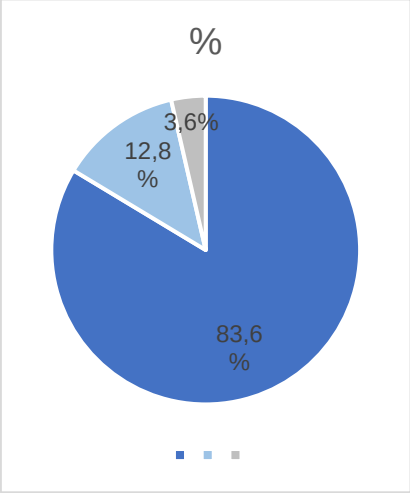
Report drafted by: Luis Carlos González Valencia.
Industrial technical engineer by University of Sevilla
Official College of Technical Engineers of Sevilla (COGITISE).
Membership number: 9129.

IMPACTOS POR CATEGORÍAS

EPD 2018[1] Categories indicators	Unit	CORE Impact result	UPSTREAM Impact result	DOWNSTREAM Impact result	TOTAL
Abiotic depletion, elements	kg Sb eq	5,314E-09	6,673E-07	3,536E-11	6,727E-07
Acidification (fate not incl.)	kg SO2 eq	6,481E-02	1,620E-01	1,793E-02	2,447E-01
Photochemical oxidation	kg NMVOC	5,530E-02	1,606E-01	2,164E-02	2,376E-01
Eutrophication	kg PO4---eq	5,457E-03	1,795E-02	2,867E-03	2,628E-02
Global warming (GWP100a)	kg CO2 eq	1,057E+01	6,939E+01	2,994E+00	8,295E+01
Abiotic depletion, fossil fuels	MJ	5,746E+02	3,011E+02	7,815E+01	9,538E+02
Ozone layer depletion (ODP) (optional)	kg CFC-11 eq	2,546E-07	2,430E-06	2,164E-02	2,164E-02
Water scarcity	m3 eq	3,322E+00	7,130E+00	2,546E-01	1,071E+01

Table 1. Impacts per Categories in Campus locker family.

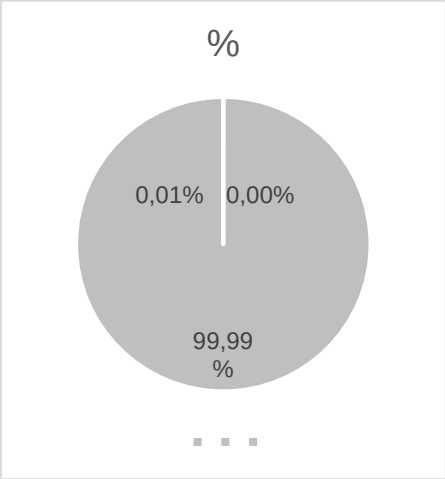
CAMBIO CLIMÁTICO (HUELLA DE CARBONO)



Phase	Unit	Total
Core	kg CO2 eq	6,94E+01
Upstream	kg CO2 eq	1,06E+01
Downstream	kg CO2 eq	2,99E+00

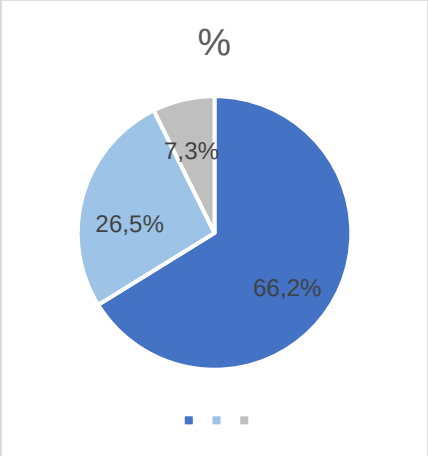
This method is the successor of EPD (2013) and is intended for the creation of Environmental Product Declarations (EPDs), as published on the website of the Swedish Environmental Management Council (SEMC). For more information see also General programmer instructions for the international EPD System 3.0 of 11 December 2017.
The latest update to the recommendations included in this method is from 2018-06-08 (adding Water Scarcity Footprint). Contact info: http://www.environdec.com/.

OZONE LAYER DEPLETION



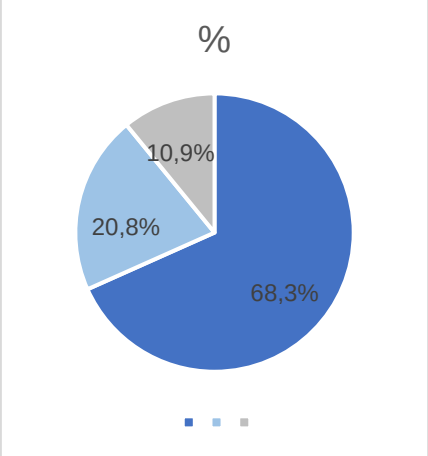
Phase	Unit	Total
Core	kg CFC-11 eq	2,430E-06
Upstream	kg CFC-11 eq	2,546E-07
Downstream	kg CFC-11 eq	2,164E-02

TERRESTRIAL ACIDIFICATION



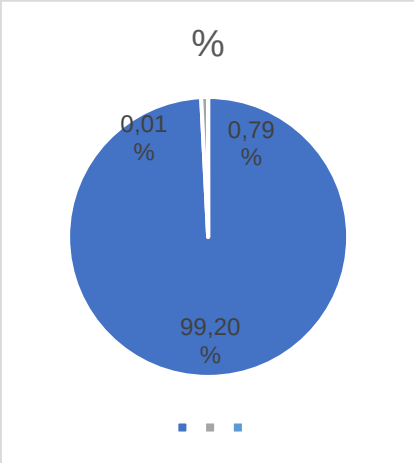
Phase	Unit	Total
Core	kg SO2 eq	1,620E-01
Upstream	kg SO2 eq	6,481E-02
Downstream	kg SO2 eq	1,793E-02

EUTROPHICATION



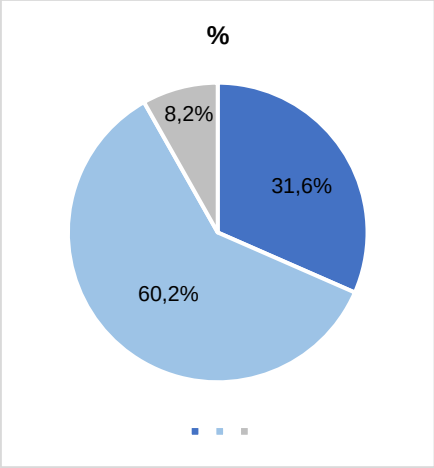
Phase	Unit	Total
Core	kg PO4--- eq	1,795E-02
Upstream	kg PO4--- eq	5,457E-03
Downstream	kg PO4--- eq	2,867E-03

PHOTOCHEMICAL OXIDATION



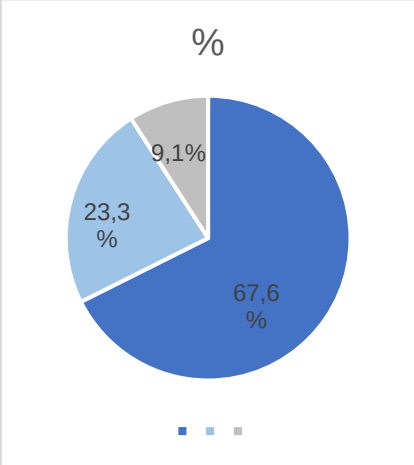
Phase	Unit	Total
Core	kg Sb eq	6,673E-07
Upstream	kg Sb eq	5,314E-09
Downstream	kg Sb eq	3,536E-11

ABIOTIC DEPLETION



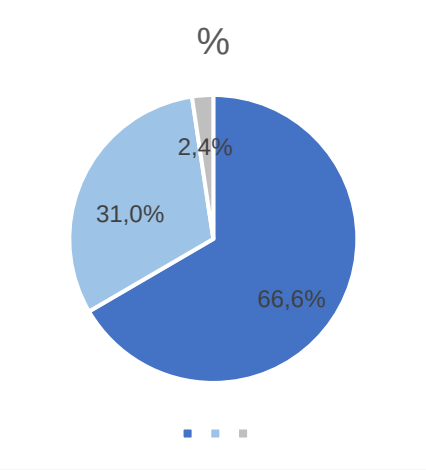
Phase	Unit	Total
Core	MJ	3,011E+02
Upstream	MJ	3,011E+02
Downstream	MJ	3,011E+02

WATER SCARCITY



Phase	Unit	Total
Core	kg NMVOC	1,606E-01
Upstream	kg NMVOC	5,530E-02
Downstream	kg NMVOC	2,164E-02

ABIOTIC DEPLETION FOSSIL FUELS



Phase	Unit	Total
Core	m3 eq	7,130E+00
Upstream	m3 eq	3,322E+00
Downstream	m3 eq	2,546E-01

USO DE RECURSOS

RECURSOS	unit	CORE	UPSTREAM	DOWNSTREAM
Products				
Energy non renewable	MJ	1,26E+07	5,60E+05	7,28E-01
Energy renewable	MJ	5,91E+06	1,53E+07	0,00E+00
Secondary fuel	MJ	2,06E+06	4,74E-03	9,86E+06
Secondary fuel renewable	MJ	4,74E-03	0,00E+00	0,00E+00
Materials	kg	2,42E+02	1,24E+06	9,88E+01
Fresh water used	m^3	1,18E+02	3,23E+06	4,62E-01

CATEGORIES OF WASTE AND OUTPUT FLOWS

RECURSOS	unidad	USO	PRODUCTO	FIN DE VIDA
Productos				
Residuos peligrosos	kg	1,44E-02	6,50E-01	8,44E-01
Residuos no peligrosos	kg	2,10E+00	1,68E+01	1,74E+00
Residuos radiactivos	kg	6,96E-02	4,04E+00	3,39E-06