

SETTEF

ENVIRONMENTAL PRODUCT DECLARATION



THE INTERNATIONAL EPD® SYSTEM



This EPD has been developed in compliance with
ISO 14025:2010 and EN 15804:2012+A2:2019

X-DRY PAINT

**REGISTRATION
NUMBER:**
S-P-08486

**PUBLICATION
DATE:**
2023/05/05

**VALID
UNTIL:**
2028/05/05

PROGRAMME:
The International EPD® System
www.environdec.com

**PROGRAMME
OPERATOR:**
EPD International AB

CROMOLOGY

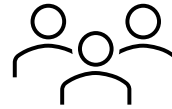
The Cromology Group was founded in 2015, at the end of a decades-long transformation process that began in the late 1990s, when Lafarge Peintures created the Specialty Materials division that was later Materis Paints and quickly became a player on the global and emerging markets.

Today, Cromology retains that pioneering spirit of its Dutch origins in the 1700s, confirming itself as a solid, worldwide group and a leader in Southern Europe, with a presence in 50 countries, and a global annual turnover of more than 600 mln/€. The group's strength is expressed through its 3,700 employees including 100 researchers and highly specialized technicians - 9 production sites and 5 R&D laboratories.

Cromology's brands are marketed in over 50 countries worldwide, with a direct presence in 8 countries. In each market, Cromology's brands are an expression of its history, professionalism and capacity for innovation. 20% of the turnover is generated by new products.

Cromology Italia believes in a multi-channel strategy diversified by brand, range of services and type of customer: from designers to professional applicators and private customers with an offer of 7 specialized brands, Cromology holds 7% of the Italian market, an absolute leadership position.

With headquarters in Porcari, in the province of Lucca, the company counts on two state-of-the-art production sites of 80,000 square metres, a 45,000 square metre logistics hub and the cooperation throughout Italy of 400 collaborators, including head office staff and a sales network. With its own brand portfolio and a wide range of products and services, Cromology's aim is to be a trusted partner alongside customers, professionals and private individuals, in order to achieve professional excellence together.



3.700
collaborators



100
researchers



50
countries where
the products are
marketed



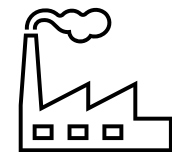
8
countries with
direct presence



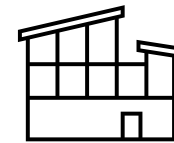
5
R&D laboratories



20%
sales generated
by new products



9
production sites



7
logistic hubs



665
millions annual
turnover

SUSTAINABILITY

WE ARE COMMITTED TO EVERY OPERATIONAL PHASE

The Cromology Group's approach to sustainability stems from its Mission: **to responsibly protect and color homes to improve everyone's life.**

Cromology places Corporate Social Responsibility (CSR) at the heart of its strategy, at the same level as profitable growth and operational excellence.

With a view to continuous improvement, Cromology integrates its CSR objectives into business development and new product launches.

Cromology's CSR approach relates to the Sustainable Development Goals (SDGs) defined by the United Nations. Cromology has identified the 5 SDGs most relevant to its activities and on the basis of these is committed to responsible and sustainable development in order to maximize the value generated for customers, employees, shareholders, suppliers, civil society and local communities.

DEVELOPMENT GOALS



CROMOLOGY'S SUSTAINABILITY

ENVIRONMENTAL RESPONSIBILITY
To minimize the impact of activities on the environment.

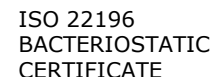
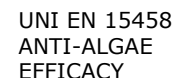
PRODUCT SAFETY AND LIABILITY
Innovation for offering colours and paints that are increasingly more respectful of the environment and health of users.

SOCIAL RESPONSIBILITY
To ensure the health and safety for its employees; enabling everyone to evolve; fostering the highest standard of integrity and compliance with the regulations in force.

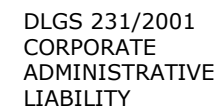
ENVIRONMENTAL RESPONSIBILITY



PRODUCT SAFETY AND LIABILITY



SOCIAL RESPONSIBILITY



ENVIRONMENTAL DECLARATION

EPD PROGRAMME GENERAL INFORMATION

EPD PROGRAMME	The International EPD® System / www.environdec.com
EPD PROGRAMME OPERATOR	EPD International AB Box 210 60, SE-100 31 Stockholm, Sweden.
PRODUCT CATEGORY RULES (PCR)	International EPD System - PCR 2019:14 - "Construction products" - Version 1.2.5 EN 15804:2012+A2:2019 - "Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products."
EPD DRAFTED BY	S4 srl
DECLARATION HOLDER	Dr. Marco Demi Cromology Italia S.p.A.
CHECKED BY	Guido Croce
GEOGRAPHICAL REFERENCE	Internazionale
EPD REGISTRATION NUMBER	S-P-08486
PUBLICATION DATE	05/05/2023
EXPIRY DATE	05/05/2028
PRODUCT DESCRIPTION	Fast water repellency paint developed immediately after application.
APPLICATION SCOPE	The LCA analysis was conducted according to the ISO 14025, ISO 14040, ISO 14044 and EN15804 standards. Both process-specific data and data from the Ecoinvent 3.6 database were used. The methods for calculating and assessing the impacts were used as defined in 2019 EN 15804 2012+A2:2019. The LCA study covers the production phases of raw materials and energy; transport of materials; production at the company's sites; and the end of life of the material



THE INTERNATIONAL EPD® SYSTEM

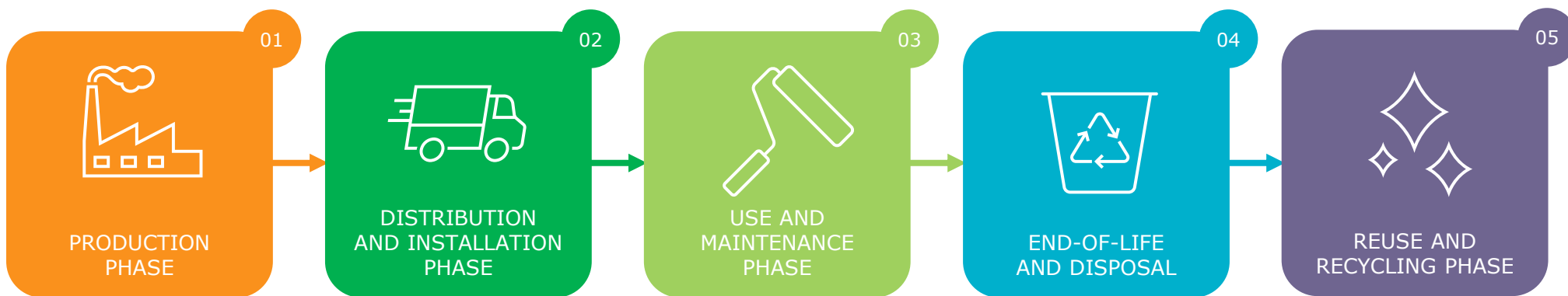
The abbreviation EPD stands for **Environmental Product Declaration** and is a document in which the environmental performance of a product is described in the form of standardized and objective data.

It makes it possible to analyze and quantify how much energy and natural resources are used by production and distribution processes, how much CO₂ is emitted into the atmosphere, what materials are used for packaging and how much waste is generated.

In the field of construction, the **EPD is an essential basis for professionals** such as architects and designers when it comes to the overall planning and evaluation of interventions. As the validation of the EPD must be performed by recognised Certification Bodies, it represents an important act of transparency and accountability for the market.

EPDs, created on a voluntary basis, must be prepared with reference to the **LCA (Life Cycle Assessment)** which is an analytical and systematic methodology that assesses the environmental significance of a product or service throughout its entire life cycle. LCA is the methodology that serves as the technical basis for a wide range of possible actions aimed at increasing the sustainability of products, as it helps to understand the impact generated towards the environment by products. The PCR (Product Category Rules) contain the rules for conducting the LCA, which must also comply with the international standard EN 15804 for construction products.

This EPD refers to X-DRY PAINT.



SETTEF

THE PROFESSIONAL REFERENCE FOR FACADES

For over 70 years, Settef has been serving professionals with a range of high-quality products, capable of solving any façade problem, for all types of buildings even in particular climatic conditions.

In addition to the range of paints and coatings for exteriors, Settef also offers the Thermophon thermal cladding system, one of the first to be produced in Italy and still today the reference point for energy requalification work. Thermophon is the range of Settef thermal cladding systems, consisting of certified materials designed to offer the best response in terms of performance: in all weather conditions, for every building, for all substrates.

Settef also offers the Cepro line, lime-based products used in architectural restoration and the modern bio-sustainable building industry. Cepro offers technologically advanced solutions based on natural hydraulic lime, both for the realization of traditional plasters and in the most complex dehumidification and restoration systems.



X-DRY PAINT

Fast water repellency paint developed immediately after application. Special anti-algae and anti-mould protection.

CHEMICAL COMPOSITION OF PRODUCT

CORTINA CAP	
Water	<20
Emulsions	<45
Fillers	<45
Additives	<10



PACKAGING COMPOSITION

Product	KG	PRIMARY (gr/kg)	PRIMARY (Material)	Lid/Handle (gr/kg)	Lid/Handle	PAPER (gr/kg)	WOOD (gr/kg)	LDPE (gr/kg)
X-DRY PAINT 1L	1,47E+00	6,60E+01	PP	0,00E+00	0,00E+00	1,36E+00	5,10E+01	6,80E-01
X-DRY PAINT 5L	7,35E+00	4,03E+01	PP	0,00E+00	0,00E+00	2,72E-01	5,66E+01	6,80E-01
X-DRY PAINT 14L	2,06E+01	3,62E+01	PP	2,87E+00	ACCIAIO	9,72E-02	5,52E+01	6,80E-01

ENVIRONMENTAL DECLARATION PROCESS

DECLARED UNIT

For this EPD, in accordance with the reference standards, the concept of “declared unit” is used instead of “functional unit”.

The declared unit is the quantity of product required to produce 1 kg of finished product.

REFERENCE YEAR

The data used refer to the calendar year 2021. Study carried out in 2022.

SYSTEM BOUNDARIES

This EPD is of the “cradle to gate with options” type and includes forms A1 (Raw Materials), A2 (Transport), A3 (Production), C1 (Total/Partial Demolition), C2 (Transport to Landfill/Recovery Centre), C3 (Recovery/Reuse Process), C4 (Landfill) and D (Recovery/ Reuse Potential)

	PRODUCTION PHASE			DISTRIBUTION AND INSTALLATION PHASE		USE AND MAINTENANCE PHASE							END-OF-USE & DISPOSAL PHASE				REUSE & RECYCLING PHASE
	Raw Materials	Transport	Production	Transport	Installation	Use	Maintenance	Repairs	Replacement	Renovation	Energy use	Water use	Demolition (total / partial)	Transport (landfill / recovery center)	Recovery / reuse	Landfill	Recovery / reuse potential
FORMS	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
DECLARATION FORMS	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
GEOGRAPHY	EU	I	I	-	-	-	-	-	-	-	-	-	EU	EU	EU	EU	EU
SPECIFIC DATA	4 %					-	-	-	-	-	-	-	-	-	-	-	-
VARIABLES	Less than +10% for each product group					-	-	-	-	-	-	-	-	-	-	-	-
SITE VARIATIONS	Not relevant					-	-	-	-	-	-	-	-	-	-	-	-

ENVIRONMENTAL PERFORMANCE

ENVIRONMENTAL CALCULATION	Unit	A1-A3	C1	C2	C3	C4	D
GWP Total	kg CO ₂ eq	2,19E+00	0,00E+00	4,56E-03	0,00E+00	5,25E-03	0.00E+00
GWP Fossil	kg CO ₂ eq	2,17E+00	0,00E+00	4,56E-03	0,00E+00	5,25E-03	0.00E+00
GWP Biogenic	kg CO ₂ eq	1,99E-02	0,00E+00	1,75E-06	0,00E+00	3,42E-06	0.00E+00
GWP Luluc	kg CO ₂ eq	3,12E-06	0,00E+00	5,07E-09	0,00E+00	3,78E-09	0.00E+00
ODP	kg CFC11 eq	4,20E-05	0,00E+00	1,08E-09	0,00E+00	2,16E-09	0.00E+00
AP	mol H+ eq	1,19E-02	0,00E+00	3,16E-05	0,00E+00	4,96E-05	0.00E+00
EP freshwater	kg P eq	7,30E-04	0,00E+00	2,95E-07	0,00E+00	4,90E-07	0.00E+00
EP marine	kg N eq	2,35E-03	0,00E+00	1,25E-05	0,00E+00	1,73E-05	0.00E+00
EP terrestrial	mol N eq	2,29E-02	0,00E+00	1,40E-04	0,00E+00	1,90E-04	0.00E+00
POCP	kg NMVOC eq	7,39E-03	0,00E+00	3,84E-05	0,00E+00	5,49E-05	0.00E+00
ADP (minerals & metals)*	kg Sb eq	2,28E-05	0,00E+00	1,06E-08	0,00E+00	1,17E-08	0.00E+00
ADP (fossil)*	MJ	3,21E+01	0,00E+00	7,03E-02	0,00E+00	1,45E-01	0.00E+00
WDP*	m ³ depriv.	1,29E+00	0,00E+00	3,50E-04	0,00E+00	6,81E-03	0.00E+00

*The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.

CONSUMPTION	Unit	A1-A3	C1	C2	C3	C4	D
PERE	MJ	4,45E+00	0,00E+00	8,50E-04	0,00E+00	1,16E-03	0.00E+00
PERM	MJ	7,85E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
PERT	MJ	4,53E+00	0,00E+00	8,50E-04	0,00E+00	1,16E-03	0.00E+00
PENRE	MJ	3,21E+01	0,00E+00	7,17E-02	0,00E+00	1,47E-01	0.00E+00
PENRM	MJ	3,34E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
PENRT	MJ	3,55E+01	0,00E+00	7,17E-02	0,00E+00	1,47E-01	0.00E+00
SM	kg	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
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
FWT	m ³	6,36E-03	0,00E+00	1,91E-06	0,00E+00	1,50E-04	0.00E+00

WASTE	Unit	A1-A3	C1	C2	C3	C4	D
HWD	kg	3,21E-05	0,00E+00	1,73E-07	0,00E+00	2,17E-07	0.00E+00
NHWD	kg	1,99E+00	0,00E+00	9,48E-03	0,00E+00	1,01E+00	0.00E+00
RWD	kg	8,35E-05	0,00E+00	4,91E-07	0,00E+00	9,67E-07	0.00E+00
CRU	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
MR	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
MER	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00
EE	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0.00E+00

IPCC INDICATOR	Unit	A1-A3	C1	C2	C3	C4	D
GWP-GHG	kg CO ₂ eq	2,16E+00	0,00E+00	4,52E-03	0,00E+00	5,15E-03	0.00E+00

ADDITIONAL INFORMATION

ACRONYMS

ENVIRONMENTAL IMPACT

ADP = abiotic resource depletion potential;
AP = acidification potential;
EP = eutrophication potential;
GWP = global warming potential;
ODP = stratospheric ozone depletion potential;
POCP = tropospheric ozone creation potential;
WDP = water deprivation potential;
IRP = ionising radiation;
PM = particulate matter;
HTP = human toxicity;
ETP = ecotoxicity potential;
LUP = land use potential;
RUP = resource use potential.

RESOURCE CONSUMPTION

PERT = total use of renewable primary energy resources
PERM = use of renewable primary energy resources used as raw materials;
PERE = use of renewable primary energy excluding renewable primary energy used as raw materials;
PENRT = total use of non-renewable primary energy resources;
PENRM = use of non-renewable primary energy resources used as raw materials;
PENRE = use of non-renewable primary energy excluding nonrenewable primary energy used as raw materials
SM = use of secondary material;
RSF = use of renewable secondary fuels;
NRSF = use of non-renewable secondary fuels;
FWT = total use of water.

WASTE PRODUCTION

HWD = hazardous waste disposed of;
NHWD = non-hazardous waste disposed of;
RWD = radioactive waste disposed of;
CRU = components for reuse;
MFR = materials for recycling;
MER = materials for energy recovery;
EE = exported energy

VERIFICATION & REGISTRATION

ISO standard ISO 21930 and CEN standard EN 15804 serves as the core Product Category Rules (PCR)

Product Category Rules (PCR):
PCR 2019:14 Construction products, version 1.2.5

(PCR) review was conducted by: The Technical Committee of the International EPD® System.
See www.environdec.com/TC for a list of members. Review chair: Claudia A. Peña, University of Concepción, Chile. The review panel may be contacted via the Secretarian www.environdec.com/contact

Independent third-party verification of the declaration and data, according to ISO 14025:2006:
 External Internal covering
 EPD process certification EPD verification

Third-party verifier: Guido Croce

Procedure for follow-up during EPD validity involves third party verifier.
 Yes No

Il proprietario dell'EPD ha la proprietà e la responsabilità della dichiarazione.

CODICE CPC: 3511 pitture e vernici e relativi prodotti

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SETTEF

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