

# Addendum to EPD-TS-2019-004

## Colorcoat® pre-finished steel coil

Issued on 30<sup>th</sup> March 2023

Environmental Impacts for 1 tonne of Colorcoat® pre-finished steel (EN15804:2012+A2:2019)

Parameter	Unit	A1 – A3	C2	C3	C4	D
GWP-total	kg CO <sub>2</sub> eq	2.76E+03	1.91E+01	1.07E+01	1.45E-01	-1.66E+03
GWP-fossil	kg CO <sub>2</sub> eq	2.75E+03	1.91E+01	1.08E+01	1.49E-01	-1.66E+03
GWP-biogenic	kg CO <sub>2</sub> eq	3.78E+00	-2.60E-02	-9.99E-02	-4.42E-03	3.29E-01
GWP-luluc	kg CO <sub>2</sub> eq	4.65E-01	1.05E-01	5.11E-02	2.75E-04	-7.51E-02
ODP	kg CFC11 eq	4.63E-06	1.13E-12	2.45E-10	3.51E-13	-4.63E-07
AP	mol H <sup>+</sup> eq	6.39E+00	7.00E-02	3.47E-02	1.06E-03	-3.61E+00
EP-freshwater	kg P eq	1.40E-02	5.63E-05	3.74E-05	2.53E-07	-1.65E-03
EP-marine	kg N eq	1.53E+00	3.29E-02	6.44E-03	2.71E-04	-6.76E-01
EP-terrestrial	mol N eq	1.59E+01	3.67E-01	6.89E-02	2.97E-03	-6.18E+00
POCP	kg NMVOC eq	5.16E+00	6.35E-02	1.85E-02	8.22E-04	-2.64E+00
ADP-minerals&metals	kg Sb eq	1.33E-01	1.58E-06	3.87E-06	1.53E-08	-1.68E-02
ADP-fossil	MJ net calorific value	2.97E+04	2.52E+02	2.18E+02	1.95E+00	-1.57E+04
WDP	m <sup>3</sup> world eq deprived	3.08E+02	1.69E-01	2.10E+00	1.64E-02	-2.88E+02
PM	Disease incidence	ND	ND	ND	ND	ND
IRP	kBq U235 eq	ND	ND	ND	ND	ND
ETP-fw	CTUe	ND	ND	ND	ND	ND
HTP-c	CTUh	ND	ND	ND	ND	ND
HTP-nc	CTUh	ND	ND	ND	ND	ND
SQP		ND	ND	ND	ND	ND

GWP-total = Global Warming Potential total  
 GWP-fossil = Global Warming Potential fossil fuels  
 GWP-biogenic = Global Warming Potential biogenic  
 GWP-luluc = Global Warming Potential land use and land use change  
 ODP = Depletion potential of stratospheric ozone layer  
 AP = Acidification potential, Accumulated Exceedance  
 EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment  
 EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment  
 EP-terrestrial = Eutrophication potential, Accumulated Exceedance  
 POCP = Formation potential of tropospheric ozone  
 ADPE = Abiotic depletion potential for non-fossil resources.

ADPF = Abiotic depletion potential for fossil resources  
 WDP = Water (user) deprivation potential, deprivation-weighted water consumption  
 PM = Potential incidence of disease due to PM emissions  
 IRP = Potential Human exposure efficiency relative to U235  
 ETP-fw = Potential Comparative Toxic Unit for ecosystems  
 HTP-c = Potential Comparative Toxic Unit for humans  
 HTP-nc = Potential Comparative Toxic Unit for humans  
 SQP = Potential soil quality index

The following indicators should be used with care as the uncertainties on these results are high or as there is limited experience with the indicator :  
 ADP-minerals&metals, ADP-fossil, and WDP.