

Appendix 1 - List of replaced data points:

	Old data point	Emission factor	New data point	Emission factor	Reason for replacement
1	Plastic vapour control layer, 0.2 mm (Tommen Gram)	2.3 kg CO ₂ e/kg	Polyethylene vapor barrier membrane, UV resistant, 0.2 mm, 0.185 kg/m ² , Gram Dampsperr (Tommen Gram Folie AS)	0.4 kg CO ₂ e/m ²	Expired data point
2	Gypsum plasterboard, 7.2 kg/m ² , 9.5 mm +/-0.5 mm, Windliner - X/Utvendig - X type EH2 (GU-X) (Norgips)	0.25 kg CO ₂ e/kg	Gypsum plasterboard, 12.5 mm, 8.4 kg/m ² , 672 kg/m ³ , Gyproc® GN 13 Normaali / GNE 13 Standard (Saint Gobain Finland (2022))	1.91 kg CO ₂ e / m ²	Expired data point
3	Water-borne interior paints, 1.36 kg/L, average coverage 8-10 m ² /L, Biora, Ekora, Kolibri Sand, Paneelikattomaali, Ranch, Superlateksi, Tapettipohjamaali, Teknospro, Tela, Timantti, Trend (Teknos)	2177.87 kg CO ₂ e/ m ³	Water-based acrylic paint for interior use, 1.28 kg/l, 8 m ² /l, Dekso 20 H ₂ O (Flügger)	2.05 kg CO ₂ e / kg	Old data point
4	Finishing wall mortars, French average, 3 mm, 4.2 kg/m ² , DONNEE PAR DEFAUT (DED)	0.6 kg CO ₂ e/kg	Dry mortar for levelling of walls, including packaging, 1-3 mm, 1.2 kg/mm/m ² , 1200 kg/m ³ , weber PTM fast cement filler (Saint-Gobain Finland Oy)	0.33 kg CO ₂ e / kg	Old data point
5	Perforated light weight aggregate concrete block, 200 x 250 x 500 mm, 770 kg/m ³ , Leca Universalblokk (Weber)	117.08 kg CO ₂ e/ m ³	Perforated lightweight aggregate concrete blocks, 149 x 247 x 499 mm, 569 kg/m ³ , Basicblokk (Leca International)	193.4 kg CO ₂ e / m ³	Expired data point
6	Masonry mortar, light, 1000 kg/m ³ (quick-mix)	0.55 kg CO ₂ e/ kg	Masonry mortar, white, M5 Hvit (Forsand Sandkompani)	0.3 kg CO ₂ e / kg	Expired data point
7	Steel faced, fire proof, sandwich panels with stone wool core, 25 kg/m ² , 200 mm, AST T/AST L (Paroc)	28.83 kg CO ₂ e/ m ²	Steel faced fire proof sandwich panels with stone wool core, 28.2 kg/m ² , 150 mm, AST E, AST F, AST F+ (Paroc)	35.48 kg CO ₂ e / m ²	Expired data point
8	Bricks, 226x104x60, 226x85x60 mm, NF with holes & solid, RF (Wienerberger)	0.26 kg CO ₂ e/ kg	Clay bricks, black, 1525-1800 kg/m ³ , GT-48 (Graasten Teglværk)	0.19 kg CO ₂ e / kg	Expired data point
9	Solid Timber Panels (Cross-Laminated Timber, CLT) (Stora Enso)	0.34 kg CO ₂ e/ kg	Cross laminated timber (CLT), 481 kg/m ³ , 12% (± 3%) moisture content (One Click LCA)	143.09 kg CO ₂ e / m ³	Expired data point

10	Wooden decking, cladding and planed timber for joinery applications, 540kg/m ³ , Moist. 3-5%, Accoya Scots Pine (Accsys Technologies PLC)	240.76 kg CO ₂ e/ m ³	Wooden profile for cladding, 410 kg/m ³ (Moelven Industrier ASA)	180.65 kg CO ₂ e / m ³	Expired data point
11	Glass façade curtain wall system, max. thickness: 50mm, R: 1.3 W/m ² K, R50SG Glass System R50-V130 / R50-H100 (Riventi)	117.76 kg CO ₂ e/ m ²	Aluminium framed curtain wall, glazing 76-100%, 56.3 kg/m ² , Les concepteurs et fabricants pouvant utiliser cette FDES sont les membres du SNFA ou utilisant des systèmes conçus par un membre du SNFA. Une attestation de conformité au cadre de validité signée du SNFA doit être fournie. La liste des concepteurs et fabricants adhérents est disponible sur le site du SNFA dans la rubrique annuaire à l'adresse : http://www.snfa.fr/annuaire (Organisation professionnelle représentative des concepteurs, fabricants et installateurs de menuiseries extérieures en profilés aluminium)	158.49 kg CO ₂ e / m ²	Expired data point
12	Cement-composite façade panel, grey, coated, 8-12 mm, Swisspearl (FibreCem Holding)	0.88 kg CO ₂ e/ kg	Fibre cement façade cladding panels for external use, 3600 x 214 x 11 mm, 13.6 kg/m ² , 1300 kg/m ³ , Fire resistance class = A2, s1-d0, Hardie® VL Plank (James Hardie (2022))	12.0 kg CO ₂ e / m ²	Expired data point
13	Glass wall partitioning system, 2400x2700x75mm, 6.48m ² , 165kg, Flush Front System Wall 75 (Moelven Modus)	2.37 kg CO ₂ e/ kg	Partition wall system with wooden frame and toughened double glazing, 100 mm, 38 kg/m ² (Strähle Raum-Systeme GmbH)	71.4 kg CO ₂ e / m ²	Expired data point
14	Wooden entrance door, per m ² , 809x2053 mm, 42x92 mm frame, 52 mm door leaf (Nordic Dørfabrikk)	57.92 kg CO ₂ e / m ²	Interior wooden door with solid core, unglazed, 40 mm, 23.17 kg/m ² , Swedoor Superior Line (JELD-WEN)	43.4 kg CO ₂ e / m ²	Newer version of the data point is available
15	Glass wool, acoustic ceiling panel, 20 mm, 4.0 kg/m ² , Master Rigid Dp (Ecophon)	3.19 kg CO ₂ e/ m ²	Glass wool acoustic ceiling panel, 20 mm, 2.839 kg/m ² , Hygiene Protect Ds (Ecophon(2020))	3.2 kg CO ₂ e / m ²	Expired data point
16	Self levelling mortar, for floors, walls and overhead appl., 3-50 mm, 1400 kg/m ³ , Pericret (PCI Augsburg)	0.44 kg CO ₂ e/ kg	Cement based self-leveling screed, moisture resistant, 1.75-1.80 kg/l, 10-50 mm, C35, Proplan HP (Heydi AS)	0.21 kg CO ₂ e / kg	Expired data point
17	Particleboard, uncoated, 8 - 48 x 590 - 2850 x 1025 - 6250 mm, 611 kg/m ³ (Sonae Indústria)	275.69 kg CO ₂ e/ m ³	Particle board, 630-700 kg/m ³ , 6-40 mm, Ekstra (Forestia)	365.0 kg CO ₂ e / m ³	Expired data point
18	Massive wooden flooring/parquet, 22-450 x 44-7000 x 8-35 mm, 11.71 kg/m ² (Verband der Deutschen Parkettindustrie)	0.7 kg CO ₂ e/ kg	Hardwood parquet flooring (oak or ash), 8 mm, 5.22 kg/m ² , 650kg/m ³ , moisture content 8%, Mosaic parquet (Hørning Parket A/S)	1.89 kg CO ₂ e / m ²	Old data point

19	Vinyl flooring, Be Natural Be Different Be easy Be Smart (DICKSON-CONSTANT)	12.73 kg CO2e/ m2	Luxury vinyl flooring tile, 2.5 mm, 4.3 kg/m2, wear layer: 0.5 mm (One Click LCA)	8.52 kg CO2e / m2	Expired data point
20	Woven wall-to-wall carpet, PA 6, textile fabric backing, 0.5-0.6 kg/m2 pile weight, Sigma WT (Bentzon Carpets)	8.6 kg CO2e/ m2	Tufted carpet tile with polypropylene pile material, 2.6 kg/m2, maximum surface pile weight 1200 g/m2 (One Click LCA)	7.09 kg CO2e / m2	Expired data point
21	Waterproof, protective, flexible coating, 1.5 kg/l, Lastogum (PCI Augsburg)	0.51 kg CO2e/ kg	Flexible waterproof coating, 0.625 kg/m2, PRB Color Acryl Flex PRB Siloflex PRB Color Impermat PRB Color Imperxane Mat (PRODUITS DE REVÊTEMENT DU BÂTIMENT)	1.29 kg CO2e / m2	Old data point
22	Tile adhesive, all round, for ceramics, 1-5 mm, 1400 kg/m3, Verlegemörtel (PCI Augsburg)	0.44 kg CO2e/ kg	Tile adhesive, for laying tiles and natural stones, interior application, 5.5 kg/m2, webercol flex (SAINT GOBAIN WEBER FRANCE)	2.53 kg CO2e / m2	Expired data point
23	Ceramic wall tiles, 7.5 mm, 3000 kg/m2 (Seranit Granit Keramik)	13.64 kg CO2e/ m2	Ceramic wall tiles, glazed or unglazed, 7.5 mm, 18 kg/m2 (Seranit (2020), Inönü plant)	9.47 kg CO2e / m2	Newer version of the data point is available
24	Oriented strand board (OSB), generic, 9.5-28.5 mm (0.37-1.12 in), 610 kg/m3 (38.1 lbs/ft3), min. G4-2	180.73 kg CO2e/ m3	Oriented strand board (OSB), 613 kg/m3, 3% moisture content (One Click LCA)	166.04 kg CO2e / m3	Newer version of the data point is available
25	PVC based, multi-layer, synthetic waterproofing roof sheet, non-woven glass inlay, polyester backing, 1.2 mm, Sarnafil G410EL Felt (Sika)	3.44 kg CO2e/ kg	Waterproofing roof membrane, 1.2 mm, 1400 g/m2, SE 1.2 (Protan)	3.54 kg CO2e / m2	Expired data point
26	Concrete roof tiles, Avg. thickness per m2: 22.4 mm, 334x420 mm, 2100 kg/m3 (Eternit)	0.21 kg CO2e/ kg	Concrete roofing tiles, 330mm x 420mm, 4.3 kg/unit, B&C DOBBELT-S (BMI Hersom)	7.99 kg CO2e / m2	Expired data point
27	Bitumen-polymer membrane roofing, 2 layer, fully torched (EWA)	0.59 kg CO2e/ kg	Flexible waterproof coating, 0.625 kg/m2, PRB Color Acryl Flex PRB Siloflex PRB Color Impermat PRB Color Imperxane Mat (PRODUITS DE REVÊTEMENT DU BÂTIMENT)	2.65 kg CO2e / m2	Old data point
28	Multifunctional steel door, product group 1, 1000mm x 2125 mm, H 3 D, H 3 OD, H 3 VM, H 3 KT, RS 55, D 65 OD, D 65 (Hörmann)	76.62 kg CO2e/ m2	Steel door with mixed wood/metal frame, biogenic CO2 not subtracted (for CML), 32.32 kg/m2, RESIDENCE P40 RESIDENCE P45 RESIDENCE C40 RESIDENCE C45 MAJUSTAL 35 MAJUSTAL 40 MAJUSTAL 42 MAJUSTAL 44 (KEYOR)	97.5 kg CO2e / m2	Old data point

29	Glue laminated timber, 500.33 kg/m ³ , 10.61% moisture content, Duobalken, Triobalken (Konstruktionsvollholz e.V.)	0.24 kg CO ₂ e/ kg	Glue laminated timber (Glulam), 544 kg/m ³ , 12% (± 3%) moisture content (One Click LCA)	136.65 kg CO ₂ e / m ³	Replaced by new OCL generic
30	Perforated light weight aggregate concrete block, 150 x 250 x 500 mm, 770 kg/m ³ , Leca Finblokk (Weber)	117.08 kg CO ₂ e/ m ³	Perforated lightweight aggregate concrete blocks, 149 x 247 x 499 mm, 569 kg/m ³ , Basicblokk (Leca International)	193.4 kg CO ₂ e / m ³	Expired data point
31	Weber floor smoothing screed, 5-50mm layer thickness, 34 kg/m ² , vetonit 130 Core (weber.)	0.12 kg CO ₂ e/ kg	Cement based self-leveling screed, moisture resistant, 1.75-1.80 kg/l, 10-50 mm, C35, Proplan HP (Heydi AS)	0.21 kg CO ₂ e / kg	Expired data point
32	Reinforcement mesh fabric (glass fibre), 0.16kg/m ² , R131 (ADFORS)	0.22 kg CO ₂ e/ m ²	Fiberglass reinforcing mesh, 0.145 kg/m ² , DONNEE PAR DEF AUT (DED)	0.49 kg CO ₂ e / m ²	Expired data point
33	Gypsum plasterboard, fire resistant, 15.4x900/1200 mm, 12.7 kg/m ² , PROTECT F, GFE/GF15 (Gyproc)	3.17 kg CO ₂ e/ m ²	Gypsum plasterboard, fire resistant, 15.4x900/1200 mm, 12.7 kg/m ² , PROTECT F, GFE/GF15 (Gyproc (2020))	3.51 kg CO ₂ e / m ²	Expired data point
34	Concrete (Norwegian low-carbon), B35 M45/MF45, lavkarbonklass B (2015 NB37)	270.0 kg CO ₂ e/ m ³	Concrete (Norwegian low-carbon), B35 M45/MF45, lavkarbonklass B (2019 NB37)	280.0 kg CO ₂ e / m ³	Newer version of the data point is available
35	Concrete (Norwegian low-carbon), B45 M40/MF40, lavkarbonklass B (2015 NB37)	310.0 kg CO ₂ e/ m ³	Concrete (Norwegian low-carbon), B45 M40/MF40, lavkarbonklass B (2019 NB37)	290.0 kg CO ₂ e / m ³	Newer version of the data point is available
36	Concrete (Norwegian low-carbon), B20 M90, lavkarbonklass B (2015 NB37)	200.0 kg CO ₂ e/ m ³	Concrete (Norwegian low-carbon), B20 M90, lavkarbonklass B (2019 NB37)	190.0 kg CO ₂ e / m ³	Newer version of the data point is available