

## Appendix A Kensington Forum – Data Sources

### ▼ Data sources

#### Sources

Resource name	Technical specification	Product	Manufacturer	EPD program	EPD number	Environment Data Source	Standard	Verification	Year	Country	Upstream database	Density	Product Category Rules (PCR)	Notes about PCR	Download EPD
Acrylic bathtub	160x70 - 180x80 cm		AFISB	INIES	INIES_CBAI20140415_133015, 4106	FDES	EN15804	Verified	2014	[france]	ecoinvent		EN15804	EN15804	<a href="#">Download EPD</a>
Asphalt, average	-10 to 40 degC		Tarmac CRH	BRE	BREG EN EPD000103	EPD Asphalt, Tarmac CRH 2016	EN15804	Verified	2016	[unitedKingdom]	ecoinvent	2400.0	EN15804	-	<a href="#">Download EPD</a>
Autoclaved aerated concrete block	100-300 mm, 470-770kg/m3	Thermalite	Forterra	BRE	BREG EN EPD000001	EPD Thermalite Autoclaved Aerated Concrete Block (470-770 kg/m3), Forterra Building Products Ltd 2016	EN15804	Verified	2016	[unitedKingdom]	ecoinvent	600.0	EN15804	-	<a href="#">Download EPD</a>
Automatic folding door	119.35 kg/unit, 4.45 kg/m2	FFT FLEX Green	DORMA	IBU	EPD-DOR-20160041-IBA1-DE	Oekobau.dat 2017-I, EPD Automatische Faltflügeltür FFT FLEX Green DORMA	EN15804	verified	2016	[germany]	GaBi		PCR Automatiküren und -tore, sowie Karusseltüranlagen, 07/2014	-	<a href="#">Download EPD</a>
Automatic sliding door	2100 x 2200 mm, 9.02 m2, 307.6 kg/unit, 34.10 kg/m2	ST FLEX Green	DORMA	IBU	EPD-DOR-20160060-IBC1-DE	Oekobau.dat 2017-I, EPD Automatische Schiebetüranlage ST FLEX Green DORMA	EN15804	verified	2016	[germany]	GaBi		PCR Automatiküren und -tore, sowie Karusseltüranlagen, 07/2014	-	<a href="#">Download EPD</a>
Ceramic floor tile	10 mm, average density 2000 kg/m3		Mosa	MRPI	11.1.0001.004	EPD Vloertegelcollectie Koninklijke Mosa	EN15804	verified	2013	[unitedKingdom]	ecoinvent	2000.0	EN15804	-	<a href="#">Download EPD</a>
Ceramic wall tile	6 mm, average density 2000 kg/m3		Mosa	MRPI	11.1.0002.004	EPD Wandtegelcollectie Koninklijke Mosa	EN15804	verified	2013	[unitedKingdom]	ecoinvent	2000.0	EN15804	-	<a href="#">Download EPD</a>
Concrete	C50/60 (ex rebar)		IZB	IBU	EPD_IJB_2013461_D	Beton der Druckfestigkeitsklasse C 50/60, InformationsZentrum Beton GmbH 2013	EN15804	Verified	2013	[germany]	GaBi	2400.0	PCR Rechenregeln für die Ökobilanz und Anforderungen an den Hintergrundbericht, 09/2012, PCR Betonbauteile aus Ort- und	Only with EN15804	<a href="#">Download EPD</a>

Concrete assembly for stairs and elevator shafts per one metre height		One Click LCA				One Click LCA generic construction definitions				[LOCAL]	Other				
Concrete stairs element	B35 M45		Buskerud	EPD Norge	NEPD-1344-443-NO	EPD Prefabrikerte trapper og mellomrepos Buskerud Betongvarefabrikk AS	EN15804	Verified	2017	[norway]	ecoinvent	2400.0	NPCR 020 Precast Concrete Products, 2011	Only with EN15804	<a href="#">Download EPD</a>
Copper cladding	2 mm, 17.7 kg/m <sup>2</sup>	Donnee par default	MDEGD	INIES	INIES_DBAR20190326_164750_10355	MDEGD_FDES	EN15804	verified	2019	[france]	ecoinvent		EN15804	EN15804	<a href="#">Download EPD</a>
Door, steel, per unit	1,23 x2,18 m		Novoform	IBU	EPD-NOV-2013211-D	Multifunktionsüren, Novoterm RieXinger Türenwerke GmbH	EN15804	Verified	2013	[germany]	GaBi		PCR Products of aluminium and aluminium alloys, 10/2012	Only with EN15804	<a href="#">Download EPD</a>
Elevator, 1600 kg capacity, for passenger use	2.2 m x 1.4 m x 2.4 m	MonoSpace® 700, MonoSpace® 700 DX	KONE	RTS	RTS_32_19	EPD KONE MonoSpace® 700, KONE MonoSpace® 700 DX	EN15804	Verified	2019	[finland, germany, italy, poland, czechRepublic, austria, china]	ecoinvent		RTS PCR menetelmäohje (englanninkielinen versio, 14.6.2018).	Only with EN15804	<a href="#">Download EPD</a>
Elevator, 2500 kg capacity, for passenger use	2.5 m x 1.8 m x 2.6 m	TranSys™, TranSys™ DX	KONE	RTS	RTS_43_19	EPD KONE TranSys™, TranSys™ DX	EN15804	Verified	2019	[finland, germany, italy, poland, czechRepublic, austria, china]	ecoinvent		RTS PCR menetelmäohje (englanninkielinen versio, 14.6.2018).	Only with EN15804	<a href="#">Download EPD</a>
Emulsion for interior use with recycled paint content	0.168 kg/m <sup>2</sup> , 1.4 kg/l	Dulux Trade Evolve Matt	AkzoNobel, plant Prudhoe	MRPI	1.1.00065.2019	EPD Dulux Trade Evolve Matt	EN15804	verified	2019	[unitedKingdom]	ecoinvent		EN15804	-	<a href="#">Download EPD</a>
Excavation works		kg or m3 of removed masses	Required for IMPACT calculations	One Click LCA	-		EN15804	Verified	2013	[unitedKingdom]	ecoinvent	1760.0	EN15804		
Float glass, single pane, generic	3-12 mm (0.12-0.47 in), 10 kg/m <sup>2</sup> (2.05 lbs/ft <sup>2</sup> ) (for 4 mm/0.16 in), 2500 kg/m <sup>3</sup> (156 lbs/ft <sup>3</sup> )			One Click LCA	-	One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	2500.0	EN15804	-	
Float glass, with low emissivity layer	15.00 kg/m <sup>2</sup> , 4 - 8 mm, LT = 80 - 91%, RLE = 5 - 9%, Ug = 3.2 W/m <sup>2</sup> K	iplus Planibel AS Energy	AGC France SAS	INIES	INIES_JVER20190208_163600_9120	FDES	EN15804	Verified	2019	[france]	GaBi		EN15804	EN15804	<a href="#">Download EPD</a>

Generic aggregate for concrete, asphalt, fill material or landscaping application			Tarmac CRH	BRE	BREG EN EPD000105	EPD Generic Aggregate, Tarmac CRH 2016	EN15804	Verified	2016	[unitedKingdom]	ecoinvent	1600.0	EN15804	-	<a href="#">Download EPD</a>
Glass wool insulation panels, unfaced, generic	25 kg/m3 (1.56 lbs/ft3), (applicable for densities: 0-25 kg/m3 (0-1.56 lbs/ft3)), Lambda=0.031 W/(m.K)			One Click LCA	-	One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	25.0	EN15804	-	
Glass, body-tinted, blue	6 mm, LT 56.6%, RLE 5.9%, SF 0.55, 15 kg/m2	Parsol, green, bronze, grey, Ultra grey, Sapphire blue	SGG	International EPD System	S-P-00884	EPD SGG PARSOL	EN15804	Verified	2016	[france]	GaBi	2500.0	PCR 2012:01 Construction products and Construction services, ver. 2.01	Only with EN15804	<a href="#">Download EPD</a>
Granite paving slabs	7x40x60 cm, with 4 cm cement mortar support layer		FCT Granito Galicia	DAPc	DAPc.004.004s	EPD Pavimento exterior de granito	ISO14040	Verified	2013	[spain]	GaBi	2700.0	RCP 004 - Productos Piedra Natural y Áridos - V.1 (2012)	Only with EN15804	<a href="#">Download EPD</a>
Gypsum plaster board, regular, generic	6.5-25 mm (0.25-0.98 in), 10.725 kg/m2 (2.20 lbs/ft2) (for 12.5 mm/0.49 in), 858 kg/m3 (53.6 lbs/ft3)			One Click LCA	-	One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	858.0280607132333	EN15804	-	
Gypsum plasterboard, for ceilings	12.5mm, 9.9 kg/m2, 792 kg/m3	Danoline Regular	KNAUF	INIES	INIES_IPLA20170217_154105, 6533	FDES	EN15804	-	2017	[france]	ecoinvent	792.0	EN15804	EN15804	<a href="#">Download EPD</a>
Gypsum plasterboard, high strength	12.5 mm, 12 kg/m2, 984 kg/m3	Habito	British Gypsum Saint Gobain	International EPD System	S-P-00839	EPD 12.5 mm Gyproc Habito	EN15804	Verified	2017	[unitedKingdom]	ecoinvent	984.0	PCR 2012:01 Construction Products and Construction services, ver. 2.1, 03/03/2015	Only with EN15804	<a href="#">Download EPD</a>
Luxury vinyl floor tiles	2.5 mm, 3.141 kg/m2	Signature	Amtico	BRE	BREG EN EPD 000183	EPD Amtico Signature	EN15804	Verified	2018	[unitedKingdom]	ecoinvent		EN15804	-	<a href="#">Download EPD</a>
MDF hollow-core door, glossy	25.8 kg/unit		Abet Laminati	EPD Italy	EPDITALY0056	EPD ANTA TAMBURATA PER PORTE DA INTERNO	EN15804	verified	2019	[Italy]	ecoinvent		PCR ICMQ-001/15, rev. 2.1	Only with EN15804	<a href="#">Download EPD</a>

Metal framing components for gypsum plasterboard	7750 kg/m3	Gypframe	British Gypsum Saint Gobain	International EPD System	S-P-00808	EPD Gypframe metal framing components for gypsum plasterboard	EN15804	Verified	2015	[unitedKingdom]	ecoinvent	7750.0	PCR 2012:01 Construction products and Construction service, ver. 2.0 and CPC 54 Construction services	Only with EN15804	<a href="#">Download EPD</a>
Natural stone kerbs, per meter	170x270 mm		EURO-ROC	IBU	EPD-EUR-2013253-CBG1-EN	EPD Tiles and Slabs from natural stone EURO-ROC	EN15804	Verified	2014	[europe]	GaBi	2744.0	PCR Dimension stone for roof, wall and floor applications, 07/2012	Only with EN15804	<a href="#">Download EPD</a>
Natural stone slab, flexible, façade	40 mm, 104.0 kg/m2, 2600 kg/m3			OKOBAUDAT	-	Oekobau.dat 2017-I	EN15804	verified	2016	[germany]	GaBi	2600.0	EN15804	-	<a href="#">See full dataset</a>
Photovoltaic monocrystalline panel (PV)	1657mmx996mmx35mm, 18.9kg, 320Wc, 60 cells per module	JAM60S09 320/PR	JA Solar	INIES	JASO-00003-V01.01-FR, 14098	PEP	EN15804	True	2019	[vietnam]	ecoinvent		PEP-PCR-ed3-FR-2015 04 02	ISO 14025	<a href="#">Download EPD</a>
Porcelain sink	50 to 64 cm		IDÉAL STANDARD	INIES	INIES_IFDE20141031_120454, 4299	FDES	EN15804	Verified	2015	[france]	ecoinvent		EN15804	EN15804	<a href="#">Download EPD</a>
Precast concrete part, staircase	1,1 m wide, 9 steps each 16 cm, 1965 kg/unit			OKOBAUDAT	-	Oekobau.dat 2017-I	EN15804	verified	2016	[germany]	GaBi		EN15804	-	<a href="#">See full dataset</a>
Profiled steel decking for composite floor slabs/decking	1mm sheet thickness	ComFlor 60 1.0mm	Tata Steel	TATA Steel	EPD-TS-2018-007	EPD ComFlor 60 1.0mm steel structural floor deck	EN15804	Verified	2018	[unitedKingdom, unitedArabEmirates]	GaBi		EN15804	-	<a href="#">Download EPD</a>
Ready-mix concrete	C32/40, CEM I		Hanson HCG	BRE	BREG EN EPD 000190	EPD C32/40 CEM I	EN15804	Verified	2018	[unitedKingdom]	ecoinvent	2400.0	EN15804	-	<a href="#">Download EPD</a>
Ready-mix concrete	GEN3 (C20/25), CEM I		Hanson HCG	BRE	BREG EN EPD 000191	EPD GEN3 CEM I	EN15804	Verified	2018	[unitedKingdom]	ecoinvent	2400.0	EN15804	-	<a href="#">Download EPD</a>
Ready-mix concrete	C32/40, 2332 kg/m3	Agilia	Aggregate Industries UK Limited	IBU	EPD-BAS-20170093-CAA1-EN	EPD AgiliaTM Ready-mix Concrete Aggregate Industries UK Limited	EN15804	Verified	2017	[unitedKingdom]	GaBi	2332.0	PCR Concrete components made of in-situ or ready-mixed concrete	Only with EN15806	<a href="#">Download EPD</a>
Ready-mix concrete, high-strength,	C50/55 (7300/7800 PSI), 0% recycled binders in cement (440 kg/m3 /			One Click LCA	-	One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	2400.0	EN15804	-	

Ready-mix concrete, normal-strength, generic	C30/37 (4400/5400 PSI), 0% recycled binders in cement (300 kg/m <sup>3</sup> / 18.72 lbs/ft <sup>3</sup> )			One Click LCA	-		One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	2400.0	EN15804	-	
Reinforcement steel (rebar)	10-40mm	BRC			-		Environmental product declaration (EPD) report of fabricated steel products produced in the UK by Eco-Reinforcement members	EN15804	Verified	2019	[unitedKingdom]	ecoinvent	7850.0	PCR 2012:01 Construction products and construction services, v2.3	Only with EN15804	<a href="#">Download EPD</a>
Reinforcement steel mesh (rebar)	10-40mm	BRC			-		Environmental product declaration (EPD) report of fabricated steel products produced in the UK by Eco-Reinforcement members	EN15804	Verified	2019	[unitedKingdom]	ecoinvent	7850.0	PCR 2012:01 Construction products and construction services, v2.3	Only with EN15804	<a href="#">Download EPD</a>
Rock wool insulation panels, unfaced, generic	50 kg/m <sup>3</sup> (3.12 lbs/ft <sup>3</sup> ) (applicable for densities: 25-50 kg/m <sup>3</sup> (1.56-3.12 lbs/ft <sup>3</sup> )), Lambda=0.0346 W/(m.K)			One Click LCA	-		One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	50.0	EN15804	-	
Rock wool insulation, high density, unfaced, for flat roofs	L = 0.038 W/mK, R = 2.63 m <sup>2</sup> K/W, 100 mm, 13.5 kg/m <sup>2</sup> , 135 kg/m <sup>3</sup>	SmartRoof Top	Knauf	International EPD System	S-P-01499		EPD SmartRoof Top	EN15804	Verified	2019	[germany, slovenia]	GaBi	135.0	PCR 2012:01 Construction products and Construction services, Sub-PCR-1 Thermal insulation products (EN 16783)	Only with EN15804	<a href="#">Download EPD</a>
Sand (0...8 mm), loose dry density	1555 kg/m <sup>3</sup>			One Click LCA	-		LCA inventory for sand quarry operation, Ecoinvent 2016	ISO14040	-	2016	[LOCAL]	ecoinvent	1555.0	-	Only with EN15804	
Single skin wall from bricks, including mortar	with Mortar 1:3 cement:sand mix (Using CEM I cement)			ICE	-		ICE database August 2019, V3.0	EN15804	Not verified	2019	[unitedKingdom]	-		EN15804	-	

Soil, compacted dry density	1650 kg/m3			One Click LCA	-		LCA for site construction products, Bionova 2012	EN15804	-	2020	[LOCAL]	ecoinvent	1650.0	EN15804	-	
Soil, loose dry density	1220 kg/m3			One Click LCA	-		LCA for site construction products, Bionova 2012	ISO14040	-	2012	[LOCAL]	ecoinvent	1220.0	-	Only with EN15804	
Steel stud internal wall assembly, 100 mm, incl. mineral wool insulation	Steel stud wall 100 mm, incl. mineral wool insulation 100 mm and plasterboard 13 mm on both sides			One Click LCA			One Click LCA generic construction definitions				[europe]	Other				
Structural sawn timber, kiln dried, planed or machined	479 kg/m3		Wood for Good	BRE	BREG EN EPD 000124		EPD Kiln dried planed or machined sawn timber	EN15804	Verified	2017	[unitedKingdom]	GaBi	479.0	EN15804	-	<a href="#">Download EPD</a>
Structural steel profiles, generic	60% recycled content, I, H, U, L, and T sections			One Click LCA	-		One Click LCA	EN15804	-	2018	[LOCAL]	ecoinvent	7850.0	EN15804	-	
Tufted carpet tiles with nylon 6 face fiber	7.0 mm, 4.465 kg/m2, 50 x 50 cm	Tessera Arran	Forbo	UL Environment	4788294459.119.1		EPD TESSERA ARRAN	EN15804	Verified	2019	[unitedKingdom]	GaBi		Sub PCR Resilient, Textile and Laminate floor coverings	Only with EN15810	<a href="#">Download EPD</a>
Vitreous ceramic sanitaryware, flushometer toilet	14 x 26 x 15 in, 24.9 kg/unit	Afwall Millennium 3xxx and 2xxx Series Bowls	LIXIL Water Technology	UL Environment	4788268911.109.1		EPD Afwall Millennium 3xxx and 2xxx Series Bowls	EN15804	Verified	2018	[mexico]	ecoinvent		UL PCR for Sanitary Ceramics (2018)	Only with EN15810	<a href="#">Download EPD</a>
Water-borne interior paints	1.36 kg/L, average coverage 8-10 m2/L	Biora, Ekora, Kolibri Sand, Paneelikattomaali, Ranch, Superlateksi, Tapettipohjamaali, Teknospro, Tela, Timantti, Trend	Teknos	RTS	RTS_14_18		EPD RTS EPD, Water-borne interior paints	EN15804	Verified	2018	[finland]	ecoinvent	1360.0	RTS PCR protocol: EPDs published by the Building Information Foundation RTS sr (2016)	Only with EN15804	<a href="#">Download EPD</a>
Waterproof epoxy floor paint, for interior applications	1.2 kg/l, 49% solids/volume, dry/wet film thickness 61-98 / 125-200 µm, 5-8 m2/l	TRESTJERNER Sigural Epoksy Gulvmaling	Scanox	EPD Norge	NEPD-1665-664-NO		EPD TRESTJERNER Sigural Epoksy Gulvmaling, Scanox AS, Marked: Skandinavisk Epoxy	EN15804	Verified	2018	[norway]	ecoinvent	1200.0	EN15804	-	<a href="#">Download EPD</a>

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Waterproofing membrane, single component, cold applied, from PU	1.5 mm, 1.98 kg/m2	Sikalastic-625	Sika	BRE	BREG EN EPD0000111	BREGENEPD000111	EN15804	Verified	2016	[unitedKingdom]	GaBi	1320.0	EN15804	-	<a href="#">Download EPD</a>
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