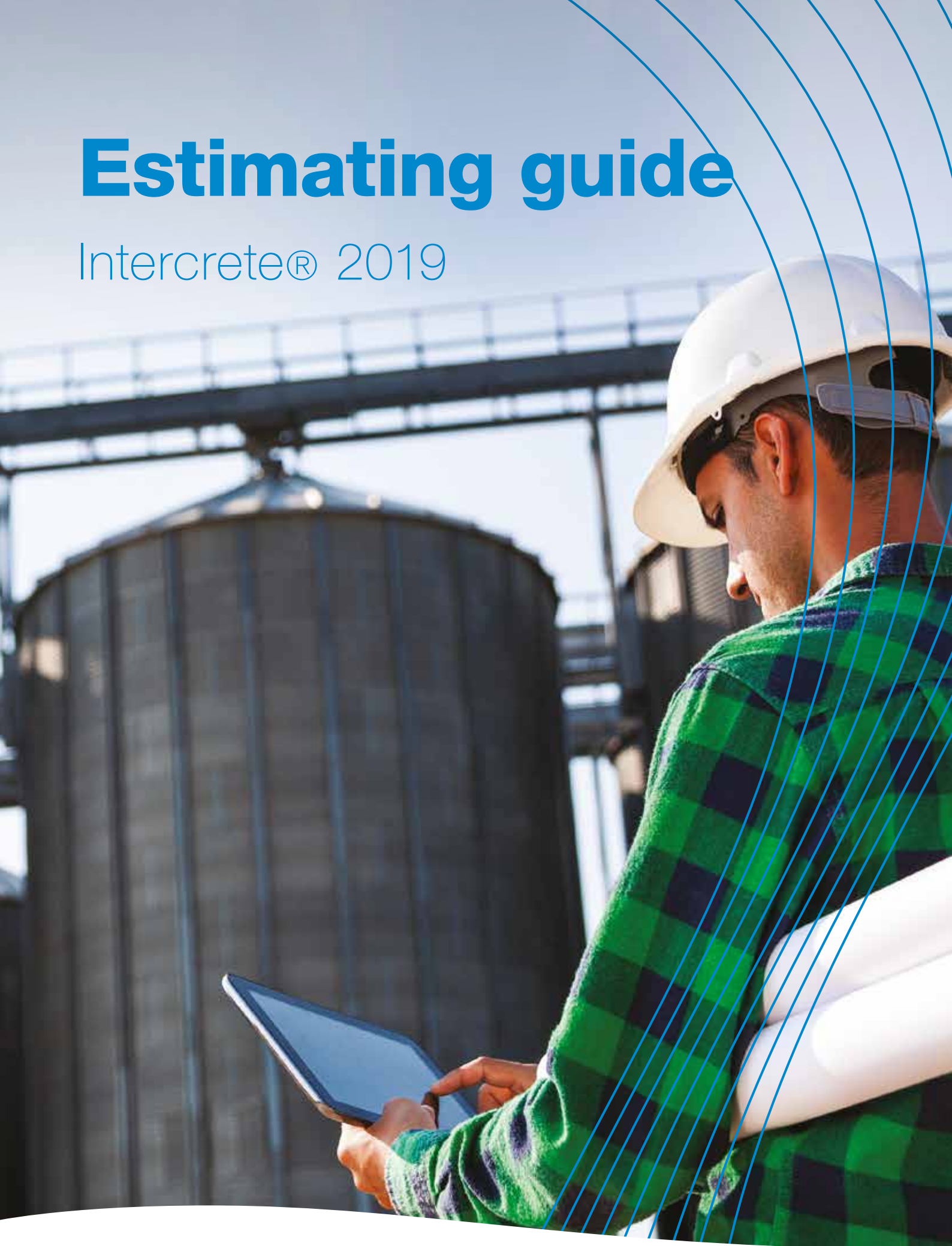


Estimating guide

Intercrete® 2019



Intercrete is a new addition to the International brand, providing world-class mortars and coatings for the remediation and protection of concrete surfaces.

Combining Flexcrete's decades of proven performance with the global expertise of International and AkzoNobel, Intercrete offers complete durability in maintenance and repair. Being water-based, Intercrete systems are solvent-free, helping customers to improve sustainability and regulatory compliance.

AkzoNobel acquired Flexcrete Technologies Ltd in July 2017. Since the mid 1980's, the Flexcrete brand has been associated with engineering quality technical mortars and high performance cementitious coatings.

As a part of the International brand, Intercrete benefits from the global reach and technical expertise of AkzoNobel. AkzoNobel is dedicated to working with distributors, applicators and asset owners to achieve a full solution. Intercrete partners benefit from outstanding information guidance, application training and technical support.

Intercrete serves a number of key sectors including:

Markets

- Civil engineering and infrastructure
- Buildings and commercial construction
- Utilities
- Coastal structures
- Hygiene sensitive environments

Products

- Repair mortars
- Primers, sealers and pre-treatments
- Levelling/fairing coatings
- Cementitious coatings
- Flooring products
- Ancillaries
- Speciality finishes
- Aesthetic protective/anti-carbonation coatings

About this Estimating Guide

This Estimating Guide provides an overview of the products we offer, along with useful information such as coverage rates, performance figures and independent certifications. It has been drawn up based on experience in a wide range of applications, and is correct to the best of our knowledge. The information is of a general nature and does not necessarily refer to the particular requirements of a specific customer.

We offer a free advisory service to help determine which Intercrete systems are best suited to the technical and budgetary parameters of the project. Full technical and safety data sheets, together with application guides, are freely available on request and should be consulted before the commencement of any site works. We provide detailed written specifications on request and we are always on hand to provide any additional support.

For more information, please visit intercrete.com or contact pc.communication@akzonobel.com

Repair mortars

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4800	Monomix EN1504-3 (R3), WRAS, DWI 31, BBA, LUL	Low density waterproof mortar for general purpose, structural repairs.	25kg	5 - 80mm	1 day 23.5MPa 7 days 35MPa 28 days 42MPa	16.5 litres 60.5 packs per m ³ A 25kg bag covers 1.65m ² at 10mm thickness Density: 1700-1750kg/m ³	£57.40/25kg £2.30/kg £3480/m ³
	Monomix WS EN1504-3 (R3), WRAS, DWI 31, BBA	Modified Monomix to allow wet spray application. Waterproof and low density.	25kg	5 - 80mm	1 day 20MPa 7 days 30MPa 28 days 40MP	16.25 litres 61.5 packs per m ³ A 25kg bag covers 1.63m ² at 10mm thickness Density: 1750kg/m ³	£57.40/25kg £2.30/kg £3530/m ³
Intercrete 4801	Monomix HD EN1504-3 (R4), LUL	High strength, structural repair mortar with good abrasion resistance for trafficked areas.	25kg	5 - 80mm	1 day 33.0MPa 7 days 44.5MPa 28 days 56.5MPa	13.1litres per 25kg bag 76.3 bags per m ³ of repair area A 25kg bag covers 1.31m ² at 10mm thickness Density: 2100kg/m ³	£44.40/25kg £1.78/kg £3390/m ³
Intercrete 4802	Fastfill EN1504-3 (R4), WRAS, DWI 31, BBA, LUL	Rapid setting repair mortar. Can be bulked out for application in deep pockets.	25kg	5 - 50mm (vertical) 5 - 300mm (pockets)	1 hour 14MPa 1 day 40MPa 28 days 60MPa	13.3 litres per 25kg bag 75 bags per m ³ of repair area A 25kg bag covers 1.33m ² at 10mm thickness Density: 2150kg/m ³	£63.70/25kg £2.55/kg £4780/m ³
Intercrete 4803	Monolite EN1504-3 (R2), LUL	Lightweight mortar for cosmetic repairs.	18kg	5 - 100mm	1 day 13MPa 7 days 24.5MPa 28 days 30MPa	16.7 litres 59.9 packs per m ³ An 18kg bag covers 1.67m ² at 10mm thickness Density: 1200-1300kg/m ³	£46.00/18kg £2.56/kg £2760/m ³
Intercrete 4804	Marine Mortar S EN1504-3 (R4), BBA	General purpose structural repairs in marine and tidal areas. Early wash-out resistance.	30kg	5 - 50mm	1 day 15-20MPa 28 days 50-60MPa	14 litres 71.7 packs per m ³ A 30kg pack as supplied covers 0.7m ² at 20mm thickness Density: 2150kg/m ³	£63.90/30kg £2.13/kg £4580/m ³
Intercrete 4805	Monopour PG	Shrinkage compensated, waterproof, polymer modified, pourable grout (PG) or micro concrete (PC6) with excellent flow properties.	25kg	10 - 100mm	1 day 15-20MPa 7 days 47-52MPa 28 days 60-65MPa	12.5 litres 80 packs per m ³ A 25kg bag covers 1.2 - 1.25m ² at 10mm thickness Density: 2225kg/m ³	£27.10/25kg £1.08/kg £2168/m ³
Intercrete 4806	Monopour PC6	Shrinkage compensated, waterproof, polymer modified, pourable grout (PG) or micro concrete (PC6) with excellent flow properties.	25kg	50 - 200mm	1 day 20-25MPa 7 days 50-55MPa 28 days 65-70MPa	12.2 litres 82 packs per m ³ A 25kg bag covers 1.2 - 1.25m ² at 10mm thickness Density: 2275kg/m ³	£27.10/25kg £1.08/kg £2225/m ²
Intercrete 4807	Tiefill EN1504-3 (R4), DWI, WRAS, LUL	Rapid curing mortar for the filling of tie-holes formed by formwork bolts.	8kg	5 - 50mm	1 hour 8.5MPa 1 day 34.0MPa 28 days 55.0MPa	4.1 litres per 8kg pack Density: 2150kg/m ³	£19.00/8kg £2.38/kg £4620/m ³
Intercrete 4808	Unimatch EN1504-3 (R1)	Rapid setting mortar for structural repairs to in-situ and pre-cast concrete. Supplied in grey and white for cosmetic colour matched repairs.	25kg	25mm (max.)	2 hours 15MPa 1 day 20MPa 28 days 41.5MPa	13.5 litres 74 packs per m ³ A 25kg bag covers 1.35m ² at 10mm thickness Density: 2100kg/m ³	£60.60/25kg £2.43/kg £4485/m ³
					2 hours 9MPa 1 day 23.5MPa 28 days 41.5MPa		£82.90/25kg £3.32/kg £6135/m ³
Intercrete 4809	Fastfill WP	Rapid setting mortar for arresting water seepage and infiltration under pressure. Sets in 2 mins.	8kg	20mm (min.)	1 hour 4MPa 1 day 11MPa 28 days 26MPa	4.25 litres 235 packs per m ³ An 8kg pack covers 0.212m ² at 20mm thickness Density: 2150kg/m ³	£37.30/8kg £4.66/kg £8765/m ³

White Grey

Primers, sealers and pre-treatments

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4810	Polymer Admixture 850 WRAS	Admixture for cement mortars and floor toppings.	5 litres	50mm (max.)	See data sheet	See data sheet	£48.90/5 litre
			25 litres				£9.78/litre
Intercrete 4811	Bond-Prime	Single pack epoxy polymer primer to seal and consolidate substrates.	5 litres	Cementitious and Masonry 5m ² /litre	N/A	Cementitious and Masonry 5 litres treats 25m ² 25 litres treats 125m ²	£41.80/5 litre
			25 litres				£8.36/litre
Intercrete 4812	Bonding Bridge 842 BBA	Enhances bond on high porosity substrates.	4kg	4m ² /kg	N/A	2.1 litres - 16m ² Density: 1900kg/m ³	£23.50/4kg
							£1.47/m ²
Intercrete 4813	Metal-Prime WB	Single pack, waterborne, anti-corrosion primer for metal and difficult to adhere to substrates.	5 litres	Smooth substrates: 10m ² /litre Non-smooth substrates: 8m ² /litre	N/A	5 litres treats 50m ² (smooth) or 40m ² (non-smooth)	£84.10/5 litre
							£16.82/litre
Intercrete 4814	Monosil	Water based silane/siloxane impregnant with excellent water and oil repellency. Can be diluted 1:1 with water for walls.	5 litres	Floors (2 coats): 3 - 4m ² /litre Walls (2 coats diluted 1:1 with water): 6 - 8m ² /litre	N/A	Floors (2 coats) 15 - 20m ² /pack Walls (2 coats diluted 1:1 with water) 30 - 40m ² /pack	£68.70/5 litre
							£13.74/litre
Intercrete 4815	Biodex Wash HSE No. 9351	A powerful surface treatment for neutralising active mould, fungal and bacterial growth.	5 litres	Up to 10m ² /litre	N/A	Up to 50m ² /pack	£30.30/ 5 litre
							£6.06/litre

Levelling/fairing coatings

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4820	Monolevel 844SP EN1504-3 (R4), WRAS, DWI 31, LUL	Engineering quality fairing coat to reinstate cover and provide a fair faced, waterproof and anti-carbonation finish.	25kg	6mm (max.)	1 day 23MPa 7 days 46MPa 28 days 60MPa	15 litres/25kg bag 66.5 bags per m ³ of repair area A 25kg bag covers 5m ² at 3mm thickness Density: 1800-1900kg/m ³	£66.00/25kg
							£2.64/kg
Intercrete 4822	Monolevel FC EN1504-3 (R2), LUL	Fairing coat for filling minor blow holes and defects prior to overcoating.	25kg	6mm (max.)	1 day 20MPa 7 days 39MPa 28 days 51MPa	15.5 litres 64.5 packs per m ³ A 25kg bag covers 15.5m ² at 1mm thickness Density: 1800-1900kg/m ³	£51.60/25kg
							£2.06/kg
Intercrete 4823	Monolevel RM EN 998-1	Fibre reinforced, waterproof, one coat render.	25kg	5 - 50mm	1 day 8-10MPa 7 days 20-25MPa 28 days 30-35MPa	14.5 litres 71.5 packs per m ³ A 25kg bag covers 1.45m ² at 10mm thickness Density: 1900kg/m ³	£36.80/25kg
							£1.47/kg
Intercrete 4825	Monorub EN1504-3 (R1)	Fine grade polymer modified mortar for filling blow holes to produce a smooth finish.	25kg	0-2mm	1 day 25-30MPa 7 days 40-45MPa 28 days 55-60MPa	14 litres 71 packs per m ³ 14m ² per 25kg bag at 1mm thickness Density: 2000kg/m ³	£45.40/25kg
							£1.82/kg
					1 day 5-10MPa 7 days 27-33MPa 28 days 30-40MPa	15.9 litres 63 packs per m ³ 15.9m ² per 25kg bag at 1mm thickness Density: 1950kg/m ³	£45.40/25kg
							£1.82/kg
							£3225/m ³

Grey

White

Cementitious coatings

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4840	Cemprotec E942 EN1504-2, LUL	Waterproofing and protection of concrete where enhanced chemical resistance is needed. Stand alone anti-corrosion coating for ferrous metal.	15kg 30kg	2 x 1mm	28 days 50-60MPa Water Vapour $S_D=1.29m$ CO ₂ diffusion: $S_c=100mm$ Euroclass A2-s1, d0	8.1 litres per 15kg 4m ² /15kg @ 2mm 16.2 litres per 30kg 8.1m ² at 2mm thickness per 30kg unit Density: 1850kg/m ³	£92.10/15kg £6.14/kg £23.02/m ² (2mm) £152.60/30kg £5.09/kg £18.84/m ² (2mm)
Intercrete 4841	Cementitious Coating 851 EN1504-2, DWI 31, WRAS, BBA, LUL	Structural waterproofing. Protection from chloride ingress and carbonation. Reinstatement of cover.	30kg	2 x 1mm	28 days 40MPa Water Vapour $S_D=0.91m$ CO ₂ diffusion: $S_c=100mm$ Chloride Diffusion: 29 years Euroclass A2-s1,d0	16.67 litres per 30kg 8.33m ² at 2mm thickness per 30kg unit Density: 1800kg/m ³	£141.50/30kg £4.72/kg £16.99/m ² (2mm)
Intercrete 4842	Cemprotec Elastic EN1504-2	Waterproofing and protection of concrete where further movement is expected.	30kg	2 x 1mm	28 days 8-10MPa Elongation = 125% Water Vapour $S_D=1.55m$ CO ₂ diffusion: $S_c=135mm$ Euroclass B-s1,d0	18.8 litres per 30kg 9.4m ² at 2mm thickness per 30kg unit Density: 1600kg/m ³	£185.70/30kg £6.19/kg £19.76/m ² (2mm)
Intercrete 4844	Cemprotec Clutch Filler	Mortar for sealing the surface gap at the interlock or clutch between piles.	16.5kg	Typically 10mm thick	1 day 21.0MPa 7 days 45.0MPa 28 days 50.5MPa	8.5 litres per 16.5kg 85 linear metres of 10 x 10mm gap per 16.5kg Density: 1900kg/m ³	£96.80/16.5kg £5.87/kg £11.39/litre

Flooring products

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4850	Cemprotec EF Primer	Single component sealer and primer for floors, prior to the application of the Cemprotec range of cementitious coatings and mortars.	5 litres 25 litres	3 - 10m ² /litre	N/A	3-10m ² per litre 75-250m ² per 25 litres unit	£33.40/5 litre £6.68/litre £152.00/25 litre £6.08/litre
Intercrete 4851	Cemprotec E-Floor EN1504-2, LUL	Epoxy and cement modified polymer coating for protecting/waterproofing concrete floors.	30kg	2mm (min.)	4 hours 8MPa 1 day 18MPa 7 days 33.5MPa 28 days 55MPa	16.2 litres 8.1m ² at 2mm thickness per 30kg unit Density: 1850kg/m ³	£143.90/30kg £4.80/kg £17.77/m ² (2mm)
Intercrete 4852	Cemprotec E-Floor HB EN1504-2, LUL	Epoxy and cement modified polymer coating for protecting/waterproofing concrete floors.	30kg	3 - 6mm	1 day 15MPa 7 days 30MPa 28 days 50MPa	15 litres 5m ² at 3mm thickness per 30kg unit Density: 1950kg/m ³	£101.70/30kg £3.39/kg £20.34/m ² (3mm)
Intercrete 4853	Cemprotec Levelling Coat EN1504-2 EN13813	Cementitious coating and wearing screed for levelling and waterproofing concrete floors	30kg	Typically 10mm thick, can be applied up to 60mm	4 hours 4 - 10MPa 1 day 10 - 20MPa 7 days 30 - 40MPa 28 days 45 - 55MPa	15 litres 2.0kg/mm/mm ² A 30kg composite pack covers 3m ² at 5mm thickness Density 2000kg/m ³	£63.50/30kg £2.12/kg £21.17/m ² (5mm)
Intercrete 4854	Cemprotec EF Grit Fine & Coarse	Quartz aggregate for abrasion and skid resistance within E-Floor systems.	25kg	Initial broadcast 5kgs/m ² : 2.5kg/m ² retained	N/A	10m ² per pack	£15.70/25kg £0.63/kg £1.57/m ²

Ancillaries

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4870	Curing Membrane WB BBA	Water based curing membrane/ sealer, formulated for use with Intercrete Repair Systems.	5 litres	5 - 7m ² /litre/coat	Complies with ASTM C309	25 - 35m ² /pack	£61.80/5 litre £12.36/litre £1.77 - £2.47/m ²
			25 litres			125 - 175m ² /pack	£281.50/25 litre £11.26/litre £1.61 - £2.25/m ²
Intercrete 4871	Steel Reinforcement Protector 841 EN1504-7, DWI 31, BBA	Corrosion preventative flexible coating for steel reinforcement.	5kg	2 x 1mm (min.)	32MPa	2.8 litres 45 linear metres of 10 x 10mm diameter bar per 5kg pack. Density: 1800kg/m ³	£40.90/5kg £14.61/litre
Intercrete 4872	Cemprotec 2000-S WRAS	Elastomeric, waterproof reinforcing tape, giving an impermeable, highly flexible, seal over 'live' cracks and expansion/construction joints.	10m & 50m	12cm	Typically 600% Elongation Impermeable	12cm wide roll 10 & 50 linear metres	£134.70/10m £13.47/m £573.00/50m £11.46/m
			50m	20cm			20cm wide roll 50 linear metres
Intercrete 4873	Cemprotec GEO80	Thermally bonded, non-woven geotextile for general reinforcement of cementitious coatings.	50m	1.125m	N/A	56m ²	£106.60/50m £2.14/m £1.90/m ²
Intercrete 4874	Cemprotec 2000-BJT WRAS	Self adhesive, butyl tape to join sections of Cemprotec 2000-S.	10m	10cm	N/A	10 linear metres	£42.00/10m roll £4.20/m
Intercrete 4875	Cemprotec Scrim	Open textured glass scrim to reinforce cementitious coatings and renders.	50m	1m	N/A	50m ²	£176.40/50m £3.53/m £3.53/m ²
	Cemprotec Edge Scrim	Flexible open textured glass scrim for reinforcing cementitious coatings over welds or on edges.	90m	5cm	N/A	90 linear metres	£14.30/90m roll £0.16/m
Intercrete 4876	Cemprotec GFM 225	Heavy duty reinforcement for fluid applied roof or wall membrane systems.	125m (approx)	0.95m width	27kg/roll (approx)	120m ²	£245.20/roll £2.04/m ² approx.
Intercrete 4878	Cemprotec Flex-tape	Multi-directional nylon polyamide reinforcing tape for cracks and joints.	50m	5cm 7.5cm 15cm	Light duty Heavy duty Heavy duty	50 linear metres	£24.20/50m roll £54.90/50/50m roll £111.00/50m roll
Intercrete 4879	Cemprotec MCl® 2020	Surface applied corrosion inhibitor for the protection of reinforcement in chloride contaminated concrete.	25 litres	3.68m ² /litre (can be applied in two coats to give above coverage)	N/A	25 litres treats 92m ²	£1031.30/25 litre £41.25/litre £11.21/m ²

Speciality finishes

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4880	Biodex HB Series 2 EN 1504-2	High build, highly flexible, matt finish, biostatic coating with encapsulated biocide & silver ion technology.	15 litres	2 coat application: 1st coat 250µm 2nd coat 250µm Overall DFT = 245µm	Elongation = 519% Water Vapour $S_D=1.21m$ Euroclass B-s1,d0	0.25 litres/m ² /coat 4m ² /litre/coat 15 litres covers 30m ²	£157.50/15 litre £10.50/litre £5.25/m ²
Intercrete 4881	Biodex Sheen Series 2 EN 1504-2	Tough, sheen finish, biostatic coating with encapsulated biocide and silver ion technology.	15 litres	2 coat application: 1st coat 166µm 2nd coat 166µm Overall DFT=200µm	Elongation = 47% Water Vapour $S_D=1.41m$ Euroclass B-s1,d0	0.166 litres/m ² /coat 6m ² /litre/coat 15 litres covers 45m ²	£220.70/15 litre £14.71/litre £4.90/m ²

Aesthetic protective/anti-carbonation coatings

Product	Formerly Flexcrete	Description	Pack	Application	Performance	Yield and coverage	Cost
Intercrete 4890	Monodex Ultra Series 2 EN1504-2, LUL	High performance decorative, anti-carbonation masonry coating. 10 YEAR SYSTEM	15 litres	2 coat application 1st coat 200µm 2nd coat 200µm Overall DFT = 130µm	Elongation = 272% Water Vapour $S_D=1.09m$ CO ₂ diffusion: $S_C=547mm$ Euroclass B-s1,d0	0.2 litres/m ² /coat 5m ² /litre/coat 15 litres covers 37.5m ²	£97.80/15 litre £6.52/litre £2.61/m ²
Intercrete 4891	Monodex Smooth Series 2 EN1504-2	High build, decorative anti-carbonation coating, which allows damp substrates to breathe. 15 YEAR SYSTEM	15 litres	2 coat application 1st coat 200µm 2nd coat 200µm Overall DFT = 240µm	Elongation = 279% Water Vapour $S_D=0.48m$ CO ₂ diffusion: $S_C=300mm$ Euroclass B-s1,d0	0.2 litres/m ² /coat 5m ² /litre/coat 15 litres covers 37.5m ²	£138.50/15 litre £9.23/litre £3.69/m ²
Intercrete 4892	Monodex Textured Series 2 EN1504-2	Highly textured, flexible waterproof coating for internal and external use.	15 litres	2 coat application 1st coat 500µm 2nd coat 500µm	Elongation = 172% Water Vapour $S_D=1.71m$	0.5 litres/m ² /coat 2m ² /litre/coat 15 litres covers 15m ²	£121.20/15 litre £8.08/litre £8.08/m ²
Intercrete 4893	Monodex Clear EN1504-2	High performance clear, anti-carbonation masonry coating.	5 litres 15 litres	2 coat application 1st Coat 200µm 2nd Coat 200µm Overall DFT=150µm	Elongation = 164% Water Vapour $S_D=0.42m$ CO ₂ diffusion: $S_C=210mm$	0.2 litres/m ² /coat 5m ² /litre/coat 15 litres covers 37.5m ²	£58.90/5 litre £11.78/litre £4.71/m ² £167.90/15 litre £11.19/litre £4.48/m ²
Intercrete 4895	Monodex ICB EN1504-2	Elastomeric water based compound with enhanced crack bridging properties	15 litres	1st Coat 500-1000µm 2nd Coat 500-1000µm Overall DFT 660-1320µm	Elongation = 164% Water Vapour $S_D=0.33m$ $S_C=1245mm$	0.5-1.0 litres/m ² /coat 1.0-2.0m ² /litre/coat 15 litres cover 7.5-15m ² (2 coats)	£113.10/15 litre £7.54/litre £7.54 – 15.08/m ² (2 coats)

