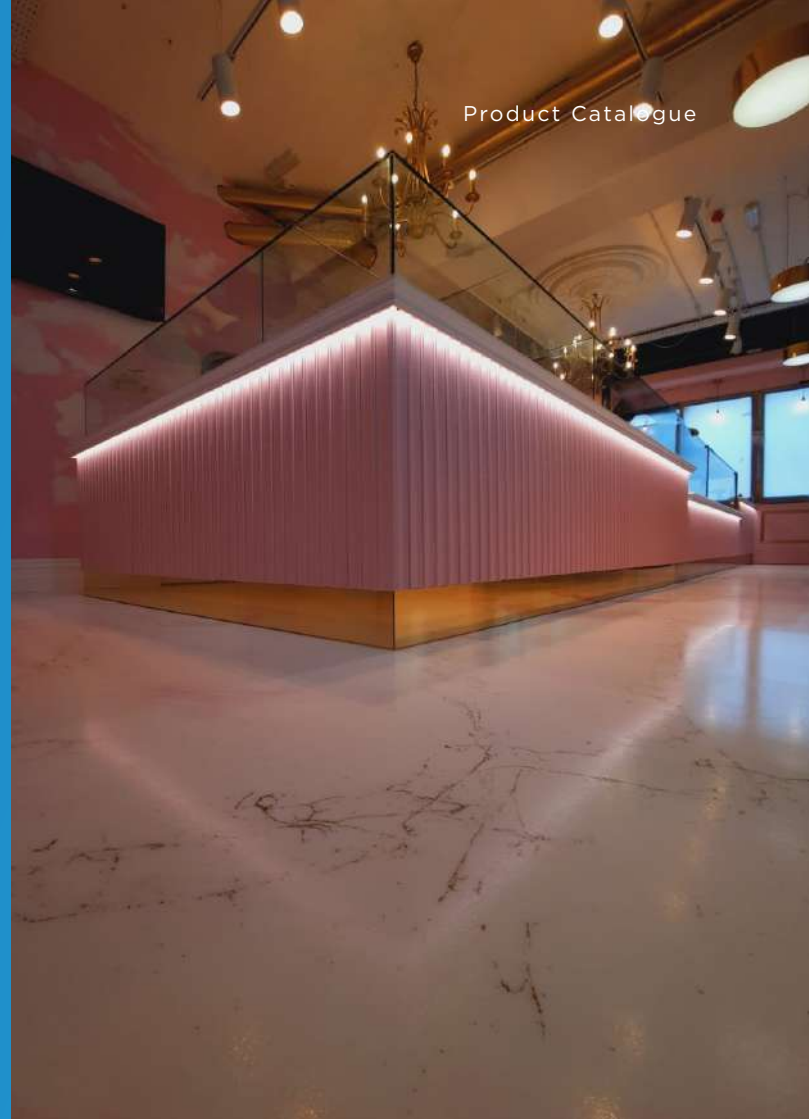


Ireland's Leading Epoxy Resin Specialists

elite crete systems
IRELAND

Product Catalogue



Contents

01.

About Us

03.

Reflector System

07.

Neat System

11.

Flake System

15.

Quartz System

19.

Decoractive Concrete

27.

Training Seminars

31.

Meet The Team - Contact







About Us

Based in Kilcoole, Co.Wicklow we are Ireland's leading epoxy resin specialists, with our world wide market leading product range.

Elite Crete Systems Ireland is a technical oriented, think-tank driven and highly progressive company that specializes in the development, formulation and manufacturing of specialty flooring products.

Get In Touch

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elite crete systems
IRELAND

elite crete systems
IRELAND

A training, distribution & installation company
Specialising in interior epoxy resin flooring systems and concrete wetting systems.

Tel: 01763 81918
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Reflector™ Enhancer



Reflector™ Enhancer is our specialty, high build, self levelling, fluid applied floor coatings. Engineered for residential and commercial applications where a durable, long lasting, aesthetically unique, easy to maintain and completely custom floor is required.

Physical Properties

(@ 73°F / 23°C, 7 day ambient cure as a coating)

Properties	Test	Result
VOC Content	N/A	0 g/l
Shore D Hardness	ASTM D-2240	82
Water Absorption	ASTM D-570	0.03%
Toxicity	N/A	None*
Heat Distortion	ASTM D-648	130 F / 55 C
Compressive Strength	ASTM D-695	12,400 psi
Tensile Strength	ASTM D-638	3,400 psi
Flexural Strength	ASTM D-790	4,300 psi
Abrasion Resistance	ASTM D-4060	4 mg loss
Slant Shear	ASTM D-882	100% concrete failure
Flammability	ASTM C-635	Self-extinguishing
Flame Spread Rate (NFPA 101)	ASTM E-84	Class A
Elongation at Break	ASTM D-638	6.1%
Perm Rating	ASTM E-96-13	>0.10 @ 16mils. Class 1
Chemical Resistance	Contact technical representative for chart	
Coefficient of Friction	Adjusted per requirement. Generally 0.50 to 0.80	
COF Guidelines	ADA Flat Surfaces	0.60
	ADA Inclined Surfaces	0.80
	OSHA	0.50
	NFPA	0.68
FDA & USDA Acceptable	CS-17 Wheel, 1KG load, 1000 cycles	

Colour Chart



NOTE: The colours depicted on this technical document may not illustrate the exact colour. Contact a technical support representative for a more accurate colour sample. Custom colours are available upon request.

Advantages:

Low Maintenance, Aesthetic Improvements, Hard & Abrasion Resistant, Voc Free - Ca 01350 Air Compliant, Stain And Chemical Resistant, Anti-Microable, Satin Or Gloss Finish, Fast Set Available, Customisable Colours.

Typical Areas of Use:

Retail shops, Shopping Centres, Car Showrooms, Restaurants & Bars, Hotels, Art Gallery & Museums.





Hermetic™ Neat



Hermetic™ Neat Floor is a high build, self levelling clear or pigmented resinous flooring system engineered for industrial applications.

Physical Properties

(@ 73°F / 23°C, 7 day ambient cure as a coating)

Properties	Test	Result
VOC Content	N/A	0 g/l
Shore D Hardness	ASTM D-2240	80
Water Absorption	ASTM D-570	0.03%
Toxicity	N/A	None*
Heat Distortion	ASTM D-648	130 F / 55 C
Compressive Strength	ASTM D-695	12,300 psi
Tensile Strength	ASTM D-638	3,200 psi
Flexural Strength	ASTM D-790	4,800 psi
Abrasion Resistance	ASTM D-4060	9 mg loss
Slant Shear	ASTM C-882	100% concrete failure
Flammability	ASTM D-635	Self-extinguishing
Flame Spread Rate (NFPA 101)	ASTM E-84	Class A
Elongation at Break	ASTM D-638	6.5%
Perm Rating	ASTM E-96-13	>0.10 @ 16mils. Class 1
Chemical Resistance	Contact technical representative for chart	
Coefficient of Friction	Adjusted per requirement. Generally 0.50 to 0.80	
COF Guidelines	ADA Flat Surfaces	0.60
	ADA Inclined Surfaces	0.80
	OSHA	0.50
	NFPA	0.68
FDA & USDA Acceptable	CS-17 Wheel, 1KG load, 1000 cycles	

Colour Chart



NOTE: The colours depicted on this technical document may not illustrate the exact colour. Contact a technical support representative for a more accurate colour sample. Custom colours are available upon request.

Advantages:

Low Maintenance, Aesthetic improvements, Increases the strength of the substrate, Hard and abrasion resistant, Stain and chemical resistant, Anti-Microbial, Satin or gloss finish, Fast set for quicker turn around.

Typical Areas of Use:

Warehouses, Manufacturing areas, Clean Rooms, Medical & Educational Facilities & Exhibition Halls.





Hermetic™ Flake



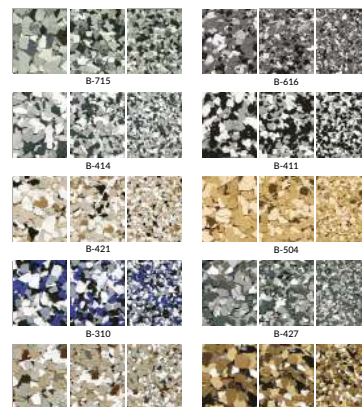
Hermetic™ Flake Floor is a durable, seamless, chemical resistant floor providing adjustable levels of slight texture and colour to match any design theme or surroundings.

Physical Properties

(@ 73°F / 23°C, 7 day ambient cure as a coating)

Properties	Test	Result
VOC Content	N/A	0 g/l
Shore D Hardness	ASTM D-2240	80
Water Absorption	ASTM D-570	0.12%
Toxicity	N/A	None*
Heat Distortion	ASTM D-648	129 F / 54 C
Compressive Strength	ASTM D-695	12,100 psi
Tensile Strength	ASTM D-638	3,200 psi
Flexural Strength	ASTM D-790	4,600 psi
Abrasion Resistance	ASTM D-4060	12 mg loss
Slant Shear	ASTM C-882	100% concrete failure
Flammability	ASTM D-635	Self-extinguishing
Flame Spread Rate (NFPA 101)	ASTM E-84	Class A
Elongation at Break	ASTM D-638	6.0%
Chemical Resistance	Contact technical representative for chart	
Coefficient of Friction	Adjusted per requirement. Generally 0.50 to 0.80	
COF Guidelines	ADA Flat Surfaces	0.60
	ADA Inclined Surfaces	0.80
	OSHA	0.50
	NFPA	0.68
FDA & USDA Acceptable	CS-17 Wheel, 1KG load, 1000 cycles	

Colour Chart



NOTE: The colours depicted on this technical document may not illustrate the exact colour. Contact a technical support representative for a more accurate colour sample. Custom colours are available upon request.

Advantages:

Low maintenance, Aesthetic improvements, Hygiene seamless finish, Hard & abrasion resistant, Stain & chemical resistant, Anti-Microbial, Satin & gloss finish, Fast set available for quicker turn around.

Typical Areas of Use:

Retail floors, Airports, Showrooms, Hospitals, Public Areas & Educational areas.





Hermetic™ Quartz



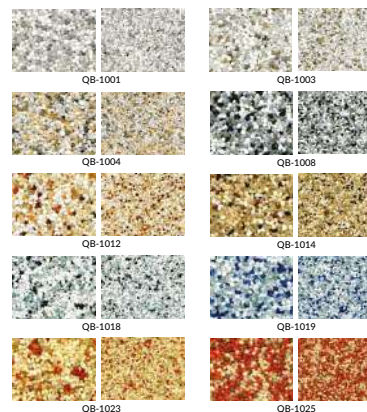
Hermetic™ Quartz Floor is a high build, double broadcast system using coloured quartz aggregate and sealed with a protective top coat.

Physical Properties

(@ 73°F / 23°C, 7 day ambient cure as a coating)

Properties	Test	Result
VOC Content	N/A	0 g/l
Shore D Hardness	ASTM D-2240	80 to 82
Water Absorption	ASTM D-570	0.04%
Toxicity	N/A	None*
Heat Distortion	ASTM D-648	128 F / 53 C
Compressive Strength	ASTM D-695	12,500 psi
Tensile Strength	ASTM D-638	3,300 psi
Flexural Strength	ASTM D-790	4,700 psi
Abrasion Resistance	ASTM D-4060	17 mg loss
Slant Shear	ASTM C-882	100% concrete failure
Flammability	ASTM D-635	Self-extinguishing
Flame Spread Rate (NFPA 101)	ASTM E-84	Class A
Elongation at Break	ASTM D-638	4.2%
Chemical Resistance	Contact technical representative for chart	
Coefficient of Friction	Adjusted per requirement. Generally 0.50 to 0.80	
COF Guidelines	ADA Flat Surfaces	0.60
	ADA Inclined Surfaces	0.80
	OSHA	0.50
	NFPA	0.68
FDA & USDA Acceptable	CS-17 Wheel, 1KG load, 1000 cycles	

Colour Chart



NOTE: The colours depicted on this technical document may not illustrate the exact colour. Contact a technical support representative for a more accurate colour sample. Custom colours are available upon request.

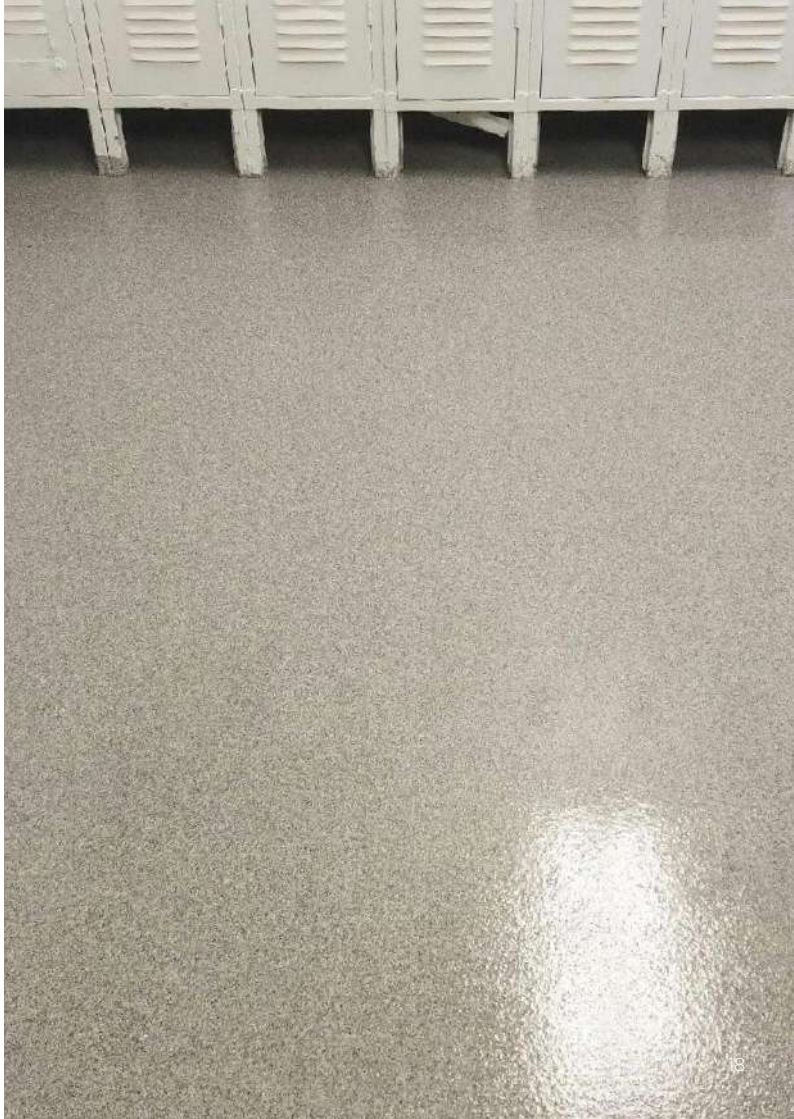
Advantages:

Low Maintenance, Aesthetic improvements, Increases slip resistance, Hard and abrasion resistant, Stain and chemical resistant, Anti-Microbial, Seamless & hygienic, Fast set available & wide array of colour options.

Typical Areas of Use:

Commercial areas, Kitchens, Public restrooms, Wet or dry rooms, Retail stores, Airports, Medical & Educational areas.





Decorative Concrete



Exterior Decorative Concrete Overlays are engineered to be surface repair or an aesthetic finish that can be applied to new or existing concrete surfaces. The finish application is actually stronger than concrete and can withstand vehicular traffic and harsh temperatures (hot or cold).

Advantages:

- Virtually unlimited designs, patterns, textures & colour options.
- Can create the authentic look and feel of any stone, brick, wood or even just plain concrete.
- Available in any colour combination to match surrounding areas.
- Cost effective compared to full depth stamped concrete, pavers, brick, real stone or intergrally coloured concrete.
- Extream durability for high traffic areas.
- Very low maintenance.
- Highly resistant to deicing salts, freeze/thaw climates, ectream heat, wet conditions, and UV rays.
- Quick installation time.
- Can be installed pre or post construction.
- For new or existing concrete surfaces.

Technical Data

Properties	Result
Compressive Strength	
1 Day	1320 to 1440 psi
7 Days	3700 to 3920 psi
28 Days	4730 to 4890 psi
Flexural Strength	
7 days	940 to 990 psi
28 Days	1380 to 1490 psi
Tensile Strength	
7 Days	320 to 380 psi
28 Days	740 to 810 psi
Abrasion Loss Unsealed	0.17 to 0.21%
Density	
7 Days	1.16 to 1.19 g/cm ³
28 Days	1.80 to 1.92 g/cm ³
Shear bond	
7 Days	335 to 350 psi
28 Days	560 to 585 psi
Cohesive Strength	
7 Days	50 to 58 psi
28 Days	95 to 102 psi
Impact Resistant	
7 Days	15 to 17 inch/lbs
28 Days	28 to 32 inch/lbs

Variance in results due to different applications and thickness.













Training Seminars

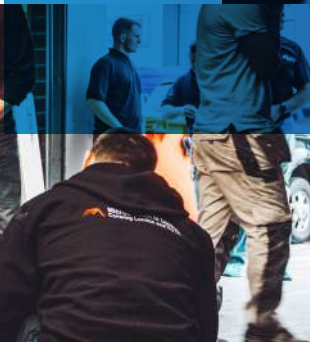
Become A Part Of Our Team

Become a qualified supplier and installer of a wide range of epoxy resin flooring products and outdoor concrete overlays.

- 2 Day Course
- Full technical support
- Training in epoxy resin seamless flooring & concrete overlays
- Become a trained & approved installer of our market leading seamless product
- Lunch included

We take our concrete flooring trainings and certifications very serious and in return, we want attendees to take them serious too. This isn't about us putting on a "demonstration" where someone less experienced than you is just going through the motions or reading out of a book. At the same time, this isn't where someone more experienced than you creates a frivolous piece of unsellable, complicated beauty. Training and certification from Elite Crete Systems will teach you real-world applications, finishes and techniques that make and save you money.

BOOK NOW



Contact To Learn More

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Meet The Team



Mark Brereton

Owner/Managing Director

+353 86 379 9995

mark.brereton@elitecrete.com

Working in the flooring business for over 20 years Mark has extensive knowledge and experience behind him from every aspect of flooring and interior design. Spending many years overseas expanding his knowledge and skill sets within the trade, then returning home to set up Elite Crete Systems Ireland to spread the awareness of these new flooring options & be a point of contact for Contractors, Designers & Architects to learn about the many benefits of these market leading systems.



Lisa Brereton

Manager


+353 86 888 5423


lisa.brereton@elitecrete.com

With many years spent in the commercial shipping logistics sector, Lisa has developed a perfect skill set to the operational aspect of Elite Crete Systems Ireland, our timely manner of shipments to contractors & response time to clients is one of our highest priorities, which is running 100% with Lisa's knowledge and skills in this field.



Get In Touch

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