

## Mondéco Crystal Ice (9 mm)



### Description

Mondéco Crystal Ice is a seamless epoxy resin terrazzo floor finish that utilises a blend of mirrored and clear glass chippings.

### Uses

Mondéco seamless terrazzo is suitable for airport and railway terminals, shopping centres, restaurants, hotels and environments where design aesthetics and durability are of paramount concern.

Changing the colour of the resin matrix with the same aggregate blend can create a totally different effect.

### Benefits

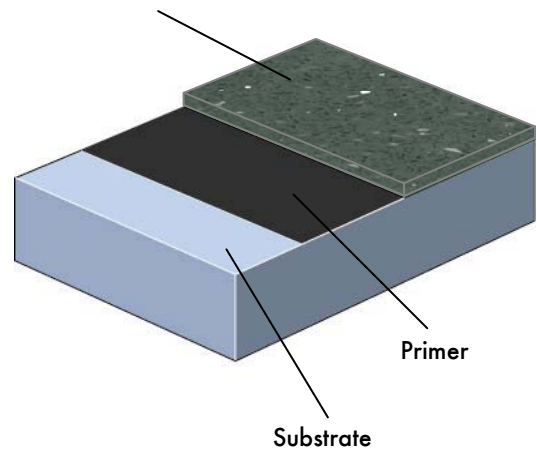
- Aesthetically pleasing - enhances the working environment
- Seamless finish (except for underlying slab joints)
- Easy to clean and maintain
- Abrasion resistant
- Bespoke colours and/or aggregate designs can be produced to special order at additional cost

### Project References

Iluma (Urban Entertainment Centre), Bugis, Singapore; Impiana Hotel, Kuala Lumpur, Malaysia; Victoria & Albert Museum, London UK; Manchester Airport, UK; Zafco, Dubai, UAE; Kensington City Academy, Liverpool, UK.

### System Design

Mondéco Crystal Ice



### Standard resin colour and aggregate blends



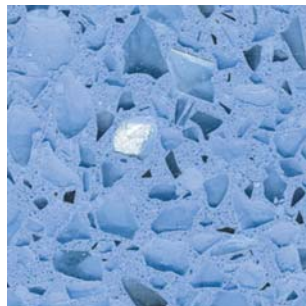
Mondéco Crystal Ice  
Oyster White



Mondéco Crystal Ice  
Dusty Grey



Mondéco Crystal Ice  
Agate Grey



Mondéco Crystal Ice  
Provence Blue

The applied colours may differ slightly from the examples shown above. Contact our customer services for a true colour sample or a special colour match. Special corporate colours and designs can be produced to special order.

## Model Specification

Product: Mondéco Crystal

Finish: Gloss

Thickness: 9mm (11 mm ground down to 9 mm)

Colour: \_\_\_\_\_

Preparatory work and application in accordance with manufacturers instructions.

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service - +44 (0) 1270 753000

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8204 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Mondéco system.

## Products Included in this System

Primer: Flowprime @ 0.25 kg/m<sup>2</sup>

Topping: Mondéco Crystal @ 25.0 kg/m<sup>2</sup>  
(Applied at 11 mm, ground down to 9 mm)

Grout: Mondéco/Mirrazzo Grout @ up to 0.2 kg/m<sup>2</sup>  
Applied in 1 or 2 layers

Sealers: Flowseal PU Gloss (WB) @ 0.03 kg/m<sup>2</sup> approx.  
Dilute the pre-mixed product 1:1 by weight with clean water to ensure the correct application viscosity.

Enhance @ 0.03 – 0.04 litres/m<sup>2</sup> in total  
(applied in 3 layers)

Additional layers may be applied to achieve the desired finish.

Detailed application instructions are available upon request.

## Installation Service

The installation must be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site [www.flowcrete.co.uk](http://www.flowcrete.co.uk)

## Note

Mondéco/Mirrazzo is not totally colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in very light colours but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change. Separate each adjacent application bay (a day's lay) by a trim and ensure that single batch components are used within each bay.

Intensively coloured products (e.g. hair colorants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discoloration in the surface. Please contact our Technical Services Department for further advice.

## Focus on the Floorzone

Flowcrete are market leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion resistant systems... to name just a few.

Our objective is to satisfy your Floorzone needs.

Flowcrete UK Ltd

The Flooring Technology Centre Booth Lane  
Sandbach Cheshire CW11 3QF UK.

Tel: +44 (0) 1270 753000 Fax: +44 (0) 1270 753333

Email: [uk@flowcrete.com](mailto:uk@flowcrete.com)

Flowcrete UK Ltd is an RPM company

## Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Reaction to fire	B <sub>FL</sub> - s1	EN 13501-1
Wear Resistance	Max. wear depth < 50 µm	EN 13892-4
Bond Strength	> 2.0 N/mm <sup>2</sup>	EN 13892-8
Impact Resistance	4 Nm	EN ISO 6272
Compressive Strength	> 55 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength	> 20 N/mm <sup>2</sup>	EN 13892-2
Tensile Strength	> 10 N/mm <sup>2</sup>	BS 6319-7
Temperature Resistance	Tolerant of sustained temperatures up to 60 °C	
Water Permeability	Nil – Karsten test (impermeable)	
Chemical Resistance	Contact Technical Department	
Slip Resistance	Dry >40 low slip potential	
Method described in BS 7976-2 (typical values for 4-S rubber slider)	(in accordance with HSE and UKSRG guidelines)	

The slipperiness of flooring materials can change significantly, due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/ or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/ or surface contaminants (wet or dry) - please contact our Technical Advisors for further details and specifications.

Complies with BS 8204-6/FerFA type 8.

## Speed of Cure

	10 °C	20 °C	30 °C
Light traffic	24 hrs	16 hrs	10 hrs
Full traffic	72 hrs	48 hrs	36 hrs
Full chemical cure	12 days	7 days	7 days

## Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a neutral detergent /floor maintainer and dry burnish. Maintain the surface appearance with a suitable high solids metalized floor polish as required (dependant on levels of traffic). Please contact our Technical Advisors for further details and cleaning documents.

## Important Notes

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

Model Specification written for Flowcrete UK Ltd.

Please consult Technical Team in own country region for specific details.