

### Mondéco Arctic (6 - 7mm nominal)



#### Description

Mondéco Arctic is a seamless epoxy resin terrazzo floor finish that utilises a white binder with a blend of light coloured aggregates, mirror glass & metallic particles.

#### Uses

Mondéco Arctic seamless terrazzo is suitable for bespoke environments where design aesthetics and durability are of paramount concern.

#### Benefits

- Aesthetically pleasing - enhances the working environment
- Seamless finish
- Easy to clean and maintain
- High abrasion resistance
- Long life span

#### Project References

Available on request.

#### Standard Colour Chart



Alaska

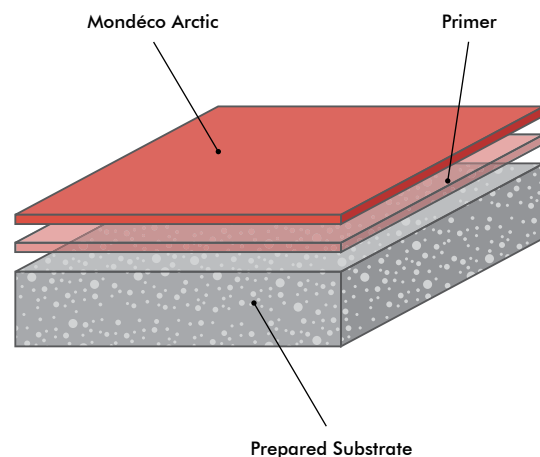


Polar



Glacier

#### System Design



## Model Specification

Product: Mondéco Arctic System  
Finish: Satin  
Thickness: 6 - 7 mm nominal (8 mm ground down to 6 - 7 mm)  
Colour: \_\_\_\_\_  
Preparatory work and application in accordance with suppliers instructions.  
Manufacturer: Flowcrete Middle East FZCO  
Telephone : Customer Service +971 4 886 4728

## 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 Arctic system.

## Products Included in this System

Peran STC  
Mondéco Arctic  
Grout  
Flowseal PU Gloss (WB)  
Enhance

Detailed application instructions are available upon request.

## Installation Service

The installation should be carried out by a Flowcrete approved applicator with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website at [www.flowcrete.ae](http://www.flowcrete.ae)

## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. Environmental and health considerations are controlled during the manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Focus on the Floorzone

Flowcrete Middle East FZCO is a division of the Flowcrete Group, world 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 and corrosion protection systems... to name just a few. Our corporate objective is to satisfy your flooring needs.

## Note

Mondéco Arctic has been developed to provide superior UV light resistance and minimise yellowing. However, no products are 100% totally colour fast and may change colour over time. 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. 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.

## Technical Information

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

Slip Resistance  
Method described in BS 7976-2  
(typical values for 4-S rubber slider)

TRRL Pendulum Slip Test  
Dry >40 low slip potential  
(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.

Reaction to Fire  
EN 13501-1

B<sub>FL</sub>-s1

Wear Resistance  
EN 13892-4

Max. wear depth < 50 µm

Bond Strength  
EN 13892-8

> 2.0 N/mm<sup>2</sup>

Impact Resistance  
EN ISO 6272

4 Nm

Compressive Strength  
EN 13892-2

> 55 N/mm<sup>2</sup>

Flexural Strength  
EN 13892-2

> 20 N/mm<sup>2</sup>

Tensile Strength  
BS 6319-7

> 10 N/mm<sup>2</sup>

Temperature Resistance

Tolerant of sustained temperatures up to 60°C

Water Permeability

Nil - Karsten Test (impermeable)

Chemical Resistance

Contact Technical Department

## 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 Note

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.

## Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.