

Mondeco Arctic

(6–7 mm nominal)

An elegant epoxy resin terrazzo floor finish that uses a mix of white binder and a blend of light coloured marble aggregates.



Attractive:

Extensive and flexible design to deliver the wow-factor underfoot.



Seamless Finish:

Except for underlying slab joints and edging detail trim.



Resistant:

Abrasion and superior UV light resistance to minimise yellowing.



Easy to Clean:

Easy to clean and maintain, seamless surface with excellent life span.



Temperature Resistant:

Tolerant of sustained temperatures up to 60°C.



Alaska



Polar



Snow

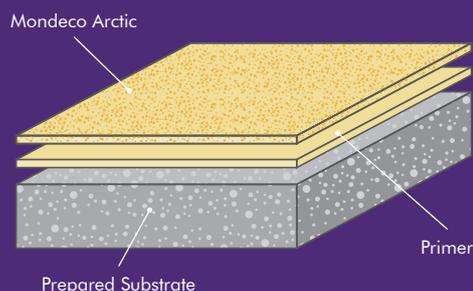
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.

Technical Profile*

FIRE RESISTANCE				
EN 13501-1	B _{fi} -s1			
WEAR RESISTANCE				
EN 13892-4	Max. wear depth < 50 µm Class AR 0.5			
BOND STRENGTH				
EN 13892-8	> 2.0 N/mm ² Class B2.0			
IMPACT RESISTANCE				
EN ISO 6272	4 Nm Class IR4			
COMPRESSIVE STRENGTH				
EN 13892-2	> 55 N/mm ²			
FLEXURAL STRENGTH				
EN 13892-2	> 10 N/mm ²			
TENSILE STRENGTH				
BS 6319-7	> 10 N/mm ²			
WATER PERMEABILITY				
Karsten test	Nil (Impermeable)			
SLIP RESISTANCE*** <small>(in accordance with HSE and UKSRG guidelines)</small>				
Method described in BS 7976-2 (typical values for 4-S rubber slider)	Dry > 40 low slip potential			
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

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

*** 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.



**Cure times at temperatures between 0–30 °C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Model Specification

System	Mondeco Arctic
Finish	Gloss

Preparatory work and application in accordance with manufacturer's instructions.

Products Included In This System

Primer	Flowprime @ 0.25 - 0.5 kg/m ²
Topping	Mondeco Arctic @ 18.0 kg/ m ² (Applied at 8 mm, ground down to 6 - 7 mm)
Grout Stage 1	TZ Pre-Treatment @ 0.06 kg/ m ² approx.
Grout Stage 2	Grout @ up to 0.2 kg/ m ² Applied in 1 or 2 layers
Sealers	Flowseal PU Gloss (WB) @ 0.03 kg/m ² approx. Dilute pre-mixed product 1:1 by weight with clean water to ensure correct application viscosity. Enhance @ 0.03 – 0.04 litres/m ² in total (applied in 3 layers) Additional layers may be applied to achieve desired finish.

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS8203 and free from rising damp and ground water pressure. If no damp proof membrane is present Hydraseal DPM can be incorporated directly beneath the Mondeco Arctic system.

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 website www.flowcrete.eu

Aftercare, Cleaning & 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 metallised floor polish as required (dependant on levels of traffic).

Environmental Considerations

Recycled materials are used wherever possible. 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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

Note

Mondeco 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.

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 constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete, a brand of CPG UK. Please consult our Technical Team for specific details. [07/02/2022, 02 UK]