

## Mondéco ESD Earth (8 mm)



### Description

Anti-static, hygienic epoxy terrazzo floor finish.

### Uses

To provide a hard wearing, decorative, seamless, anti-static floor compliant with EN IEC 61340.

Typical uses are electronic, food, pharmaceutical and chemical production and process areas in environments where hygiene, chemical resistance and durability are of paramount concern.

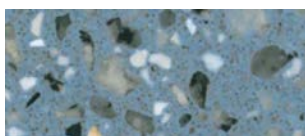
### Benefits

- Aesthetically pleasing – enhances the working environment
- Seamless finish (except for underlying slab joints)
- Meets EN IEC 61340 anti-static requirements
- Easy to clean and maintain
- Highly chemical resistant
- Abrasion and impact resistant

### Project References

Baxter Healthcare; Astra Zeneca

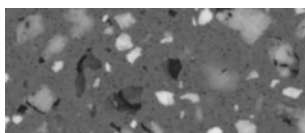
### Standard colour chart



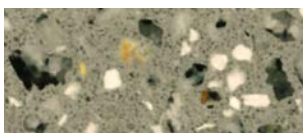
Provence



Coconut



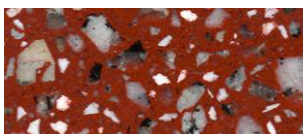
Dusty Grey



Agate Grey



Oyster White

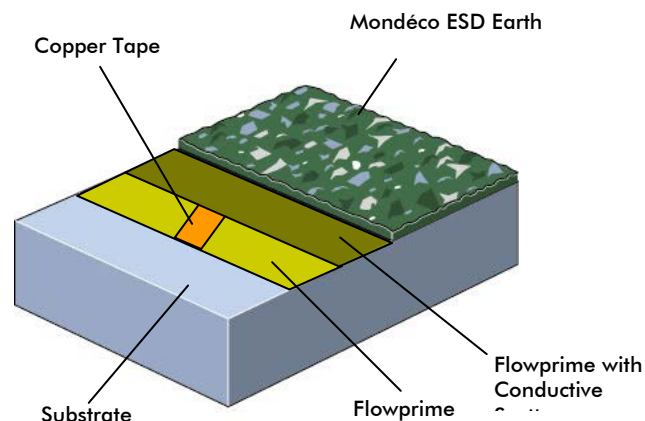


Chilli Pepper

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 concrete colours and designs can be produced to special order.

### System Design



## Model Specification

Product: Mondéco ESD Earth  
Finish: Semi-gloss  
Thickness: 10 mm (ground down to 8 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 25N/mm<sup>2</sup>, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 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>  
Conductive Grid of 10 mm wide copper tape.  
Primer: Flowprime @ 0.25 kg/m<sup>2</sup>  
with Conductive Scatter @ ~2 kg/m<sup>2</sup>  
Topping: Mondéco ESD Earth (avge density 2.1 kg/l)  
@ 21 kg/m<sup>2</sup>  
(Applied at 10 mm, ground down to 8 mm)  
Grout: Mondéco/Mirrazzo Grout @ up to 0.2 kg/m<sup>2</sup>  
Applied in 1 or 2 layers  
Sealer layers:  
1st ESD PU Matt (Phase I) @ 0.05 kg/m<sup>2</sup>  
2nd ESD PU Matt (Phase II) @ 0.05 kg/m<sup>2</sup>  
Detailed application instructions are available upon request.

## Installation Service

The installation should be performed by an approved Flowcrete Contractor with a documented quality assurance scheme.  
Obtain details of our approved applicators 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.

## 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.

## Aftercare - Cleaning and Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

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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.

Electrical Resistance	5 x 10 <sup>4</sup> – 1 x 10 <sup>9</sup> Ohms	EN IEC 61340-5-1
Reaction to fire	BFL - 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	16 Nm	EN ISO 6272
	Cat: A (<0.5mm)	BS 8204-1
Compressive Strength	> 55 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength	> 20 N/mm <sup>2</sup>	EN 13892-2
Tensile Strength	> 8 N/mm <sup>2</sup>	BS 6319-7
Temperature Resistance	Softens over 60°C	
Water Permeability	Nil – Karsten Test (impermeable)	
Chemical Resistance	Contact Technical Department	
Toxicity	Taint Free to sensitive foodstuffs.	
Slip Resistance	Method described in BS 7976-2 Dry >40 low slip potential (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 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

## Microbial / Fungal Resistance

At an additional cost, an antimicrobial additive can be incorporated into Mondéco ESD Earth to provide control of most bacteria and fungi which come into contact with the floor.

## 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