

## Mondéco ESD TZ (8 mm)



### Description

A high temperature resistant, steam cleanable antistatic polyurethane terrazzo finish.

### Uses

To provide a hard wearing, decorative, seamless, anti-static floor compliant with EN IEC 61340. Ideal for pharmaceutical, food and chemical process areas where the floor is subjected to hot fluid spillages, steam cleaning, heavy traffic, impact and chemical attack.

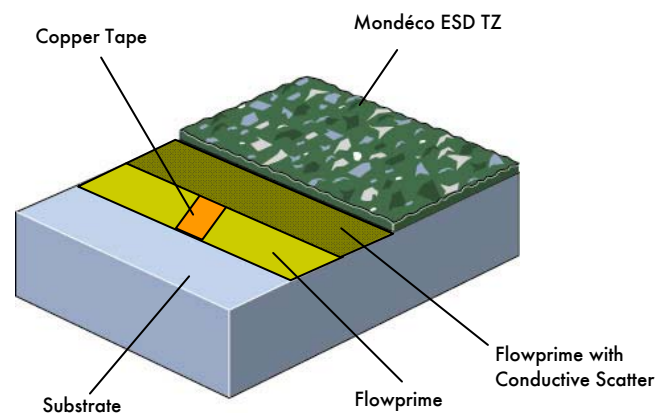
### Benefits

- Meets EN IEC 61340 anti-static requirements
- Attractive terrazzo finish
- Excellent thermal shock resistance, steam cleanable
- Contains Polygiene, an antimicrobial additive based on silver ion technology
- Excellent all round chemical resistance
- Seamless and hygienic finish
- Easy to clean
- High abrasion resistance
- Low odour during installation

### Project References

Astra Zeneca.

### System Design



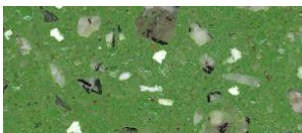
### Standard colour chart



Cream



Mustard



Dark Green



Ochre



Mid Grey



Tile Red

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 ESD TZ

Finish: Matt

Thickness: 10 mm (ground down to 8 mm)

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

Preparatory work and application in accordance with manufacturer's 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 ESD TZ 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 TZ (average density 2.1 kg/l)  
@ 21 kg/m<sup>2</sup>  
(Applied at 10 mm, ground down to 8 mm)

Grout: Flowfresh Grout @ 0.1 kg/m<sup>2</sup>

Non-slip finishes: Various grades of aluminium oxide or glass spheres can be incorporated to provide a textured surface.

Detailed application instructions are available upon request.

## Installation Service

The installation should 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)

## 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 manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Note

Mondéco ESD TZ is not 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 light colours and blues, but does not compromise the product's flexibility or chemical resistance. We have endeavoured to adopt colours within our standard range which minimise this change.

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.

Electrical Resistance	5 x 10 <sup>4</sup> - 1 x 10 <sup>9</sup> Ohms	EN IEC 61340-5-1
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	20 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	> 8 N/mm <sup>2</sup>	BS 6319-7
Temperature Resistance	Tolerant up to 120°C intermittent spillages or constant 105°C dry heat.	
Coefficient of thermal expansion	1.7 x 10 <sup>-6</sup> /°C (ASTM C531)	
Thermal conductivity	1.20 W/m °C (BS 874)	
Water Permeability	Nil - Karsten Test (impermeable)	
Vapour Permeability	2 g / m <sup>2</sup> / 8 mm / 24 hours	
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 category 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 mildly alkaline detergent.

## Microbial / Fungal Resistance

The Polygiene antimicrobial additive incorporated into Mondéco ESD TZ provides control of most bacteria and fungi which come into contact with the floor.

Antimicrobial Active substance: Silver biocide  
Tested: ISO 22196/JIS Z2801.

## 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.