

Mondeco ESD TZ

(8 mm nominal)

A decorative, high temperature resistant, steam cleanable and antistatic polyurethane terrazzo.



Polygiene®:

Contains a silver ion antimicrobial additive proven to inhibit the growth of most types of harmful bacteria



Attractive:

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



Temperature Resistant:

Resistant to temperatures of up to 120°C and suitable for steam cleaning.



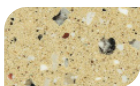
Highly Chemical Resistant:

Excellent all round chemical resistance.

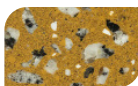


Anti-Static:

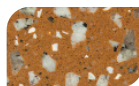
Meets EN IEC 61340 anti-static requirements.



Cream



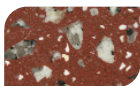
Ochre



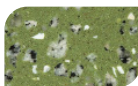
Mustard



Mid Grey



Tile Red



Dark Green

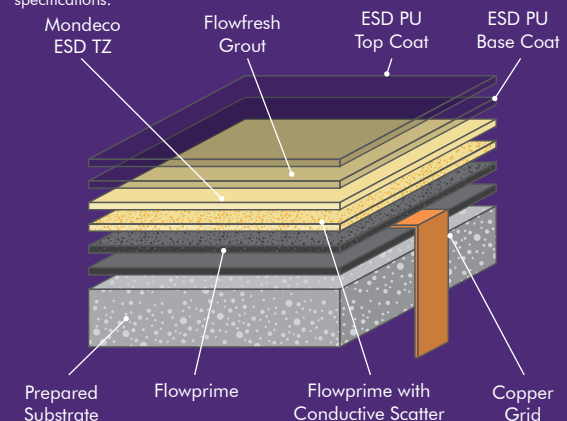
The applied colours may differ from the examples shown. For a full colour chart and samples, contact your local Flowcrete office.



Technical Profile*

TEMPERATURE RESISTANCE (at 9 mm thickness)			
Up to 120°C (intermittent) or -40°C to 105°C (sustained)			
COEFFICIENT OF THERMAL EXPANSION			
ASTM C531	1.7×10 ⁻⁵ °C		
THERMAL CONDUCTIVITY			
BS 874	1.20 W/m °C		
ELECTRICAL RESISTANCE			
EN IEC 61340-5-1	5×10 ⁴ –1×10 ⁹ Ω		
REACTION TO FIRE			
EN 13501-1	B _f -s1		
WEAR RESISTANCE			
EN 13892-4	Max. wear depth <50 µm Class AR0.5		
BOND STRENGTH			
EN 13892-8	>2.0 N/mm ² Class B2.0		
IMPACT RESISTANCE			
EN ISO 6272	20 Nm Class IR20		
COMPRESSIVE STRENGTH			
EN 13892-2	>55 N/mm ²		
WATER PERMEABILITY			
Karsten test	Nil (Impermeable)		
VAPOUR PERMEABILITY			
2 g / m ² / 8mm / 24 hrs			
SLIP RESISTANCE*** (in accordance with HSE and UKSRG guidelines)			
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 ESD TZ
Finish	Satin / Matte

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

Products Included In This System

Primer	Flowprime @ 0.25 - 0.5 kg/m ² Conductive Grid of 10 mm wide copper tape.
Primer	Flowprime @ 0.25 kg/m ² with Conductive Scatter @ ~2 kg/m ²
Topping	Mondeco ESD TZ (average density 2.1 kg/l) @ 21 kg/m ² (Applied at 10 mm, ground down to 8 mm)
Grout	Flowfresh Grout @ 0.1 kg/m ²
Sealers (1 st Layer)	ESD PU Base Coat @ 0.05 kg/m ²
Sealers (2 nd Layer)	ESD PU Top Coat @ 0.05 kg/m ²

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 ESD TZ 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 mildly alkaline detergent.

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.

Microbial / Fungal Resistance

The Polygiene antimicrobial additive incorporated into Mondeco 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

Note

Mondeco 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. Intensively coloured products (e.g. hair colourants, medical disinfectants etc.) and plasticizer migration (e.g. from rubber tyres) can lead to irreversible discolouration in the surface.

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]