

**Rodić Davidson Architects,
1 Pied Bull Yard, London, WC1A 2AE**

Window Exhibition Winter 2018

#Thisisconcrete

Concrete has played an important role in the development of architecture for thousands of years, often hidden from view. Its plasticity and strength has been used to create some of the world's most iconic structures, from the Colosseum of ancient Rome to the Sydney Opera House.

This is a display of concrete in a variety of forms, textures and colours demonstrating some of the range and potential of contemporary concrete and its continued innovation.

Display curated by The Concrete Centre.

The Concrete Centre provides the design and construction industry with guidance on the use of concrete in the built environment.

www.concretecentre.com

Contact: Elaine Toogood etoogood@concretecentre.com



'Black'

Pigmented concrete with surface textures ranging from rough to smooth.

Factory-produced architectural precast concrete, is sometimes known as 'recon' or reconstituted stone. A wide variety of colours and textures are achievable. Samples here are made of the same concrete using a near black pigment and black aggregates, each with one face treated to change its surface texture using a different finishing technique (polished, grit-blasted, acid-etched, surface retardant , with one face left as-struck, i.e not treated).

Architectural precast concrete is usually made to order to suit a project's specific requirements. Common applications are cladding panels and other decorative external and internal features required to be high quality, durable and low maintenance.

Samples provided by Cornish Concrete Products

www.cornishconcrete.co.uk

Contact: David Moses david@cornishconcrete.co.uk



'Light'

Concrete with solar-charged aggregate that glows in the dark.

An innovative building material, these Lumintech particles look like natural aggregates during the day but appear to glow in very low-light or dark conditions. The particles absorb UV radiation (natural or artificial) then release the energy in the form of visible light, with a glow that can be seen for more than 10 hours. They can be applied and incorporated into the surface of concrete and used to highlight garden pathways, edges of swimming pools or other way-finding applications.

Samples courtesy of Chryso with LuminTech® technology

Website: www.lumintech.com

Contact: simon.aitkenhead@chryso.com



‘Form’

Sculptural form created in lightweight concrete.

Foamed concrete is a low-density material incorporating up to 80% air and is available in a wide-range of densities and compressive strengths to suit the specification application and requirements. It is used for filling voids such as disused fuel tanks and pipelines; as an insulating fill under screeds and other lightweight applications.

The concrete is easily placed with no compaction required and can be produced onsite by foam generation units or delivered in trucks pre-mixed.

Porof foam lightweight concrete courtesy of Cemex

www.cemex.co.uk/porof-foam-lightweight-foamed-concrete-for-voidfill.aspx

Contact: gb-enquiries@cemex.com



‘Linen lace’

Concrete cast with specially developed linen weave.

This concrete tile is one of a series of pieces developed as part of an Arts and Research Fund project which draws on the expertise between concrete (architecture) and textiles to develop new surfaces. This pattern ‘twist’ draws inspiration from original designs produced in damask fabric for White Star Line ships.

An Arts Humanities and Research Council funded collaboration between Trish Belford (Ulster University) and Ruth Morrow (Queen’s University, Belfast) and MYB Textiles Scotland

Website: www.tactilityfactory.com

Contact: Trish Belford t.belford@ulster.ac.uk 07879828305

‘Colour’

Pigments used to create permanent, colourful concrete.

Concrete doesn't have to be grey. It can be provided in a whole spectrum of colours using pigments incorporated into the mix to create an integrated, through colour. Inorganic pigments are recommended for colour fastness. In the UK pigmented concrete can be supplied as ready-mixed concrete or in a wide range of precast products.

Samples courtesy of Lanxess

Website: www.lanxess.co.uk

Contact: Matthew Brooks matthew.brookes@lanxess.com

The logo for LANXESS, featuring the word "LANXESS" in a bold, black, sans-serif font. A red horizontal line is positioned under the "LAN" portion of the text.

‘White’

Concrete created from white cement and white aggregates, with a range of surface textures.

This white concrete is a type of architectural precast concrete or ‘Recon’ (reconstituted stone) which can be created in a wide variety of colours and textures. These samples are made using white cement and white aggregates, their surfaces treated using different finishing techniques to create different textures (polished, grit-blasted, acid-etched, surface retardant, honed with one left as-struck, i.e not treated).

Architectural precast concrete is usually made to order to suit a project's specific requirements. Common applications are cladding panels and other decorative external and internal features which required to be high-quality, durable and low-maintenance.

Samples courtesy of Techrete

www.techrete.com

Contact: Darren Brown dbrown@techrete.ie

The logo for TECHRETE, featuring a stylized grey house icon to the left of the word "TECHRETE" in a bold, red, sans-serif font. Below the main text, the words "ARCHITECTURAL PRECAST CLADDING SPECIALISTS" are written in a smaller, grey, sans-serif font.