NEW TECHNOLOGIES FOR CONCRETE SURFACES

Using precise printing technologies, inorganic pigmented designs can be applied directly to blasted concrete facings. Combining this with an innovative three-layer, solvent-free UV coating system significantly increases the durability of the printed surfaces, and guarantees reliable protection against UV rays, abrasion and the elements. This technology combines aesthetics and functionality, creating long-lasting solutions for challenging concrete products, and is perfect for modern construction projects where the focus is on design and durability.

FOR BETTER CONCRETE

DIGITAL PRINTING ON CONCRETE INNOVATION EMPOWERS INDIVIDUAL DESIGN

Digital printing on concrete blocks enables precise, photorealistic designs that can be adapted to individual needs. The colours are UV and weather resistant, ensuring a long-lasting attractive appearance even under demanding conditions. With this process it is even possible to produce complex patterns on surfaces with different structures.

CONTACT

Rhein-Chemotechnik GmbH
Gewerbepark Siebenmorgen 8 · 53547 Breitscheid
Tel. +49 2638 | 9870
E-Mail: info@rhein-chemotechnik.com | www.rhein-chemotechnik.com

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DIGITAL PRINTING

ON CONCRETE BLOCKS

www.rhein-chemotechnik.com

RHEIN-CHEMOTECHNIK GMBH

We have been developing concrete admixtures and surface protection products since 1966 and are one of the leading suppliers in Europe. Our extensive experience and vast expertise over the years make us a reliable partner for concrete processing companies.

Trust in our expertise, which combines innovation, quality and service!

WE GIVE OUR ALL TO ACHIEVE BETTER CONCRETE

TOP-QUALITY DESIGNS ON CONCRETE – PERFECTION WITH DIGITAL PRINTING

"Digital printing on concrete blocks combines the latest technology with top-quality aesthetics – producing designs that are as durable as they are impressive."

DIGITAL PRINTING ON CONCRETE BLOCKS

TRUCOLOR CC digital printing inks from Zschimmer & Schwarz Chemie GmbH are a revolutionary technology for the direct printing of concrete blocks. The inks are printed directly onto the blasted facing concrete surface. Combining this with the three-layer UV coating system – UV primer, UV intercoat and UV topcoat – from Rhein-Chemotechnik GmbH creates aesthetically sophisticated, durable and weather-resistant concrete surfaces. This innovative technology opens up new design possibilities and offers the best solutions for the concrete products industry.

PRECISE PRINTING RESULTS

The inks and printing systems allow for precisely detailed reproduction of designs directly on concrete surfaces.

HIGH RESISTANCE

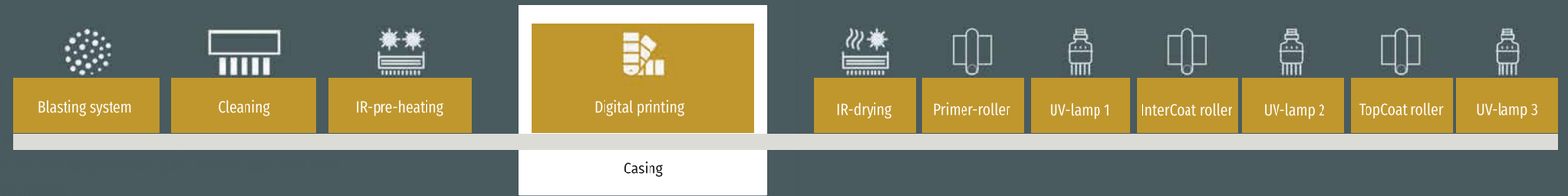
The combination of inorganic pigmented inks and resilient coatings ensures long-lasting designs.

FLEXIBLE AND VERSATILE

With this combination of modern printing and coating systems you can create individual designs for a wide range of applications.

LONG-LASTING COLOUR PROTECTION

The printing process is complemented by the three-layer 100 % UV coating from the LithoTop® series. This consists of a UV primer (which generates a permanent bond between the digital printing ink and UV coating on the printed concrete block), the UV intercoat and a UV topcoat, which determines the appearance (gloss), feel and slip resistance of the surface. The LithoTop® UV coating system offers highly effective protection of concrete block products against the elements, soiling of any type, organic growth and chemicals. Its remarkable easy-clean finish makes dirt and spots far easier to remove. The LithoTop® UV coating system features outstanding durability, scratch resistance and longevity.

THE PROCEDURE

Rhein-Chemotechnik GmbH has worked successfully together with Zschimmer & Schwarz Chemie GmbH in the field of digital printing on concrete products for many years. Special inorganic pigmented, solvent-based inks are printed directly onto blasted concrete facings and then finished with a three-layer UV coating system.