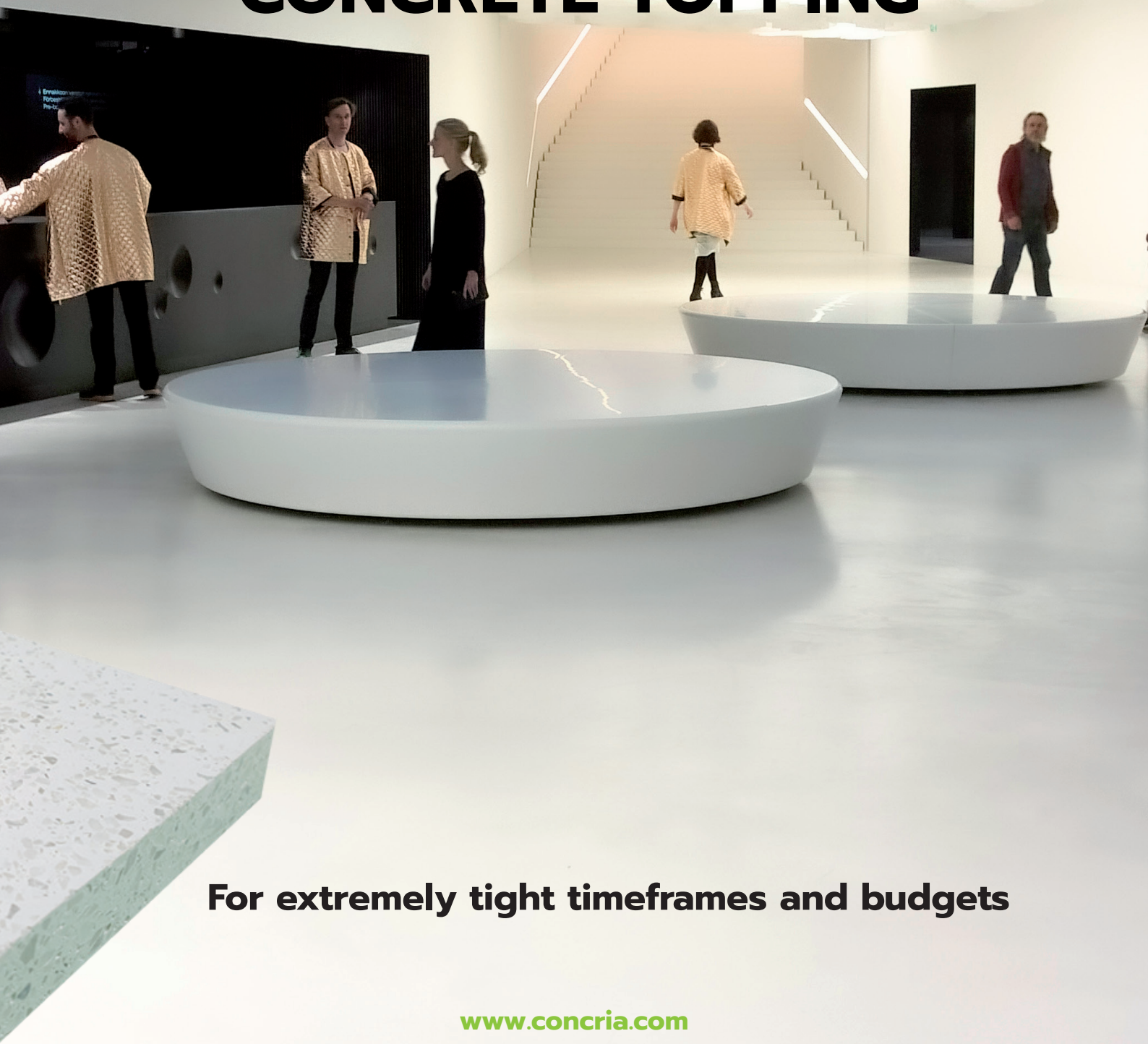
concria™

CONCRIA OPTIMAL SLAB™ DECO

DECORATIVE POLISHED CONCRETE TOPPING



For extremely tight timeframes and budgets

www.concria.com

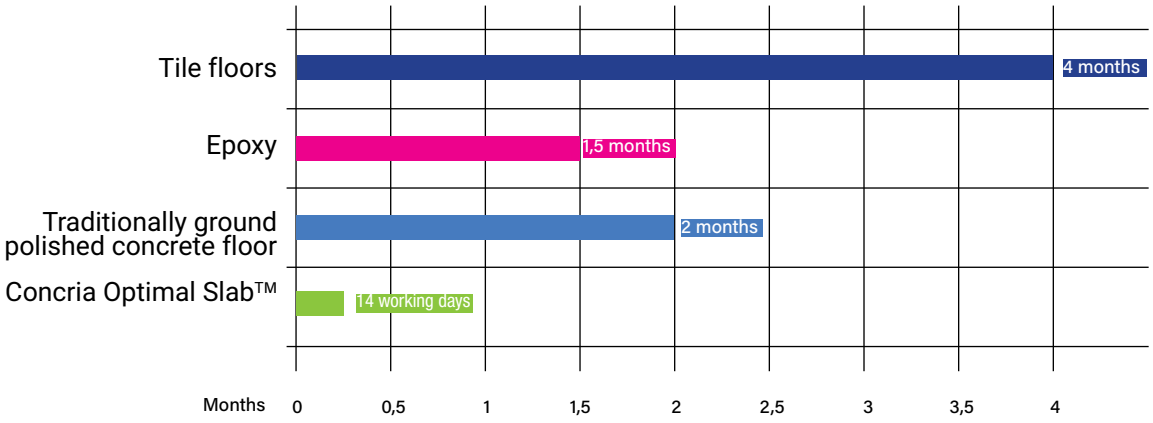
DECORATIVE POLISHED CONCRETE REVOLUTION

- Polishable surface in 7 days

We invite you to be part of the concrete revolution. Thanks to the patent-pending Concria Optimal Slab™ Deco topping system, you can install polished design concrete floors can faster than ever before!

Topping is applied on freshly laid concrete. Typically concrete floor can be polished 28 days after casting. Optimal Slab™surface can be ground and polished into high gloss in just seven days after casting as compression strength is already over 5000 psi. With ConcriaTM Fast power trowel polishing system, it's possible to grind and polish the surface 80 % faster than traditional grinding methods.

SPEED UP CONSTRUCTION SCHEDULES!



DURABLE, LONG-LASTING AND STYLISH FLOOR

Optimal Slab™ Deco toppings are manufactured from uniquely shaped mineral aggregates, special modified Portland cement, microfibers which together react with Concria™ Trowel Hard and provides extraordinary adhesion and hardness (10800 psi, Böhme A6, Mohs 7). That's why it is perfect to use in high-traffic and high-use areas like a supermarket or grocery store.

Polished design concrete is not only a practical and economical option, but it's also a stylish one. Current design trends have seen polished concrete become more and more popular for designers and architects looking for an upscale look. The striking aesthetic of polished concrete keeps buildings looking modern, sleek and clean.

The Concria brand offers a range of standard colors, but specific colors can be created too. The level of gloss can be adjusted based on the desired look of the finished product, with a high-gloss finish providing an attractive shine that looks modern without appearing too industrial or sterile. Concria's crown jewel is Pure White topping with a high-gloss finish.

HIGH-QUALITY SURFACE WITH REVOLUTIONARY NANO-SIZED TECHNOLOGY

Concria™ Trowel Hard makes topping cement hydration more efficient. Well-hydrated, dense cement paste slows moisture loss during finishing and permanently improves the topping performance. Because of nano silica technology, the risk for delamination, curling and cracking and other drying-related pathologies are significantly reduced. Trowel Hard improves the surface consolidation, and the densifying reaction increases the surface compressive strength and durability, creating an extremely abrasion-resistant. Topping is treated with nano silica during the casting and doesn't need any silicate (Lithium, Sodium, Potassium) treatment later.

ALL IN ONE SOLUTION

Concria Optimal Slab™ Deco system in a nutshell

This unique system makes it possible to get polished colorful concrete or terrazzo topping budget-friendly and super-fast. Revolutionary Optimal Slab™ Deco is an 'All in One' solution. It includes all systems, chemicals, and products needed to design concrete floor topping and daily maintenance. This unique floor is made for you only by Certified Concria™ Contractors with the assistance of Concria™ Team Professionals.

CONCRIA OPTIMAL SLAB™ DECO SYSTEM INCLUDES

- ✓Deco, concrete topping system
- ✓Fast, Power Trowel polishing system
- ✓Trowel Hard, finishing aid and hardener
- ✓Shield, superhydrophobic sealer

CONCRIA OPTIMAL SLAB™ DECO CAN BE APPLIED ON

- ✓ Stores, big-box retailers
- ✓ Shopping centers
- ✓ Data centers
- ✓ Exhibition centers
- ✓ Schools, universities
- ✓ Museums, libraries
- ✓ Lounges, lobbies, halls
- ✓ Production facilities
- ✓ Motor vehicle factories

MAIN BENEFITS

- ✓ Super-fast application
- ✓ Polishable in 7 days
- ✓ 80 % faster polishing speed
- ✓ 2 x more durable than 5000 psi polished concrete
- ✓ 3 x more durable than terrazzo tiles
- ✓ Wear resistance A6 (Böhme)
- ✓ Hardness 7 (Mohs scale)
- ✓ Green solution (Low VOC)
- ✓ Promotes clean indoor air
- ✓ High quality solution
- ✓ Minimum risk of efflorescence, delamination, curling and crazing
- ✓ Jointless floor
- ✓ Easy maintenance and low life cycle costs

INCREASING CONCRETE SURFACE LRV

Light Reflective Value is a universal scale that measures the amount of visible and usable light reflected from a surface when illuminated by a light source. It is used in architecture and interior design to determine how much light a color reflects or absorbs. LRV is measured on a scale of 0% being completely absorbing black that reflects no light, to 100% being completely reflecting white that reflects all light. Because the reflectance value is a proportion of the light reflected off the surface, rather than the amount of light that falls on it, typically the brightest whites have an LRV of 85% points, and the darkest blacks have an LRV of 5% points.

Increasing concrete surface LRV (light reflective value) will reduce the amount of light needed to achieve the desired illumination per the task at hand.

INCREASE CONCRETE SURFACE LRV AT YOUR FACILITY AND YOU WILL SEE:

- ✓ Lower amount of human errors
- ✓ Better quality control
- ✓ Increased employee satisfaction
- ✓ Improved safety
- ✓ Workplace productivity
- ✓ Energy savings

LIGHT REFLECTIVE VALUES FOR DIFFERENT CONCRETE SURFACE FINISHES:

- ✓ Concrete (OPC) 19%
- ✓ Burn finished concrete 11%,
- ✓ Polished concrete 24%
- ✓ Concria™ Optimal Slab Light grey 44%
- ✓ Concria™ Optimal Slab white 75%

BÖHME TEST

Abrasion resistance is an essential performance requirement in commercial and industrial floors. Floors can be exposed to quite aggressive actions from trucks and foot traffic. The disc abrader conforming to the Böhme method consists of a rotating wheel made of cast iron, 750 mm dia., with a defined test track to receive the abrasive material (white corundum sand) and a no-vibration specimen holder with a two arms lever loading device.

The test specimen is clamped with a holder and submitted to a test force of 294 +/-3 N. After the abrasive is sprinkled on the disc, the disc starts to rotate with a constant speed for a certain number of cycles according to Standards EN 1338. At the end of the test, the abrasion effect is measured as the loss (A= cm3 / 50 cm2) in specimen thickness or volume.

Abrasion resistance, Böhme (DIN EN 13813)