CONCRIA™ POLISHED CONCRETE FLOORS
For industrial and public floors
STRONG AND DURABLE CONCRETE

In ancient Egypt and Rome, concrete was a well-loved material, known to be strong and durable. After those early days of popularity, concrete became virtually unheard of until the 17th century. Today, however, concrete is the go-to material of choice for construction and flooring.

Romans used Pozzolana cement to build The Colosseum and The Pantheon etc.

The invention of the electric floor grinder

800 BC - 300 AD

Nabatean culture used concrete to build houses and floors

1924

Portland cement was patented by Joseph Aspdin

1990

The polished concrete floor is invented in Europe
Concrete’s full potential remained hidden until the polishing process was developed in Europe in the early 1990s, about 8 years before appearing in the USA. Originally, warehouse floors were polished in order to fix concrete moisture issues and avoid high maintenance costs. Today, polished concrete is fast becoming the first choice for industrial, commercial, and public floors around the world.

- **1991**: Dyny Oy (owners of Concria) starting to grind terrazzo and concrete floors
- **1999**: The first Polished Concrete floor in Las Vegas
- **2012**: The first European power trowel polish system patented by Concria Oy
- **2016**: Concria is used more than 40 countries
- **2018**: The first gigantic Concria project 1,700,000 sq ft
This team invented the first Finnish stone protective agent. They were the first to polish concrete floors in Finland, and the first to invent and patent Europe’s first power trowel grinding and polishing system. Who is this team? **Concria: the pioneers from the north!**

“We know what we sell because we use the Concria™ system ourselves at our own concrete flatwork company. We want to be the ones who set new standards for the polishing business and offer you better flooring solutions.”

- Mika Ahonen, CEO of Concria
Why add another layer on top when it is possible to create beautiful, glossy, and durable polished concrete? Concrete’s durability, performance, and low-maintenance qualities make it a vastly superior alternative to coatings, natural stones, terrazzo tiles, etc. It is also a versatile, excellent choice for industrial warehouses, logistics centers, big-box retailers, retail stores, offices, and more.

DON’T HIDE CONCRETE’S BEAUTY!

Turn your slab into a beautiful, glossy floor
Polished concrete is one of the most innovative and economical flooring options available today, and its popularity is leading the flooring market in warehouse, retail, and decorative facilities across the world. The reduced costs associated with saved energy, reduced tire wear, maintenance reduction, and especially its long-lasting durability shows that polished concrete is a budget-friendly, as well as beautiful, flooring system.

Polished concrete flooring is economical to buy, but even more is saved in maintenance over time. In ten years you will typically save around $15.00 per sq ft compared to other materials. In fifty years, savings are even more because you don’t need new coatings - revitalize the surface with just a fresh polish.

**Polished Concrete Flooring**

– the most economical choice!

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**SAVE TIME IN CONSTRUCTION SCHEDULES**

**Project:** 100,000 sq ft (10,000 m²)

**Team size:** Four workers

<table>
<thead>
<tr>
<th>Floor Type</th>
<th>Time (months)</th>
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<tbody>
<tr>
<td>Tile floors</td>
<td>4</td>
</tr>
<tr>
<td>Epoxy</td>
<td>1.5</td>
</tr>
<tr>
<td>Traditionally ground polished concrete floor</td>
<td>2</td>
</tr>
<tr>
<td>Concria™ Polished concrete floor</td>
<td>7 working days</td>
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HOW IS THE PRICE OF POLISHED CONCRETE FLOORING DETERMINED?

The price of polished concrete is determined by your needs and the condition of the concrete slab. Old, rough, damaged, or pitted concrete is more expensive than newly-placed or smooth concrete due to the time and materials that are used to prepare the surface for polishing.

THERE ARE ALSO MANY OTHER FACTORS TO CONSIDER, INCLUDING:

- Size and configuration of the area
- How much free, empty space there is for polishing
- Possible need for edge polishing
- Number of polishing steps
- Chemicals used for hardening and sealing the concrete

COMPARATIVE LIFE CYCLE COSTS FOR DIFFERENT TYPES OF FLOORING

Source: The National Terrazzo and Mosaic Association (USA), Concrete Construction Magazine and other independent sources. All life cycle costs are square feet costs in US dollars.
SAVE TIME AND MONEY
Concria™ Polished Concrete Floor

Concria™ floors are made with the patented Concria™ FAST system. It transforms any power trowel (normally only used for finishing fresh concrete) into a diamond grinding and polishing machine. The Concria™ FAST system is one of the most economical ways to polish and maintain industrial flooring, public concrete, and dry-shake floors.

We know that construction schedules are very tight, often not leaving enough time for traditional grinding and polishing. Concria allows contractors to create up to 100,000 sq ft (10,000 m²) of polished concrete in just 7 working days in a free, empty space. Minimal maintenance requirements and long-lasting durability also make Concria™ easy on the wallet, while delivering beautiful flooring at the same time.

SPEED UP CONSTRUCTION SCHEDULES

<table>
<thead>
<tr>
<th>Concria™ FAST system</th>
<th>Traditional Grinding system</th>
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<tbody>
<tr>
<td>100,000 sq ft</td>
<td>100,000 sq ft</td>
</tr>
<tr>
<td>7-step process</td>
<td>7-step process</td>
</tr>
<tr>
<td>Man power</td>
<td>Man power</td>
</tr>
<tr>
<td>2 x 48” ride-on power trowel</td>
<td>3 x 32” grinding machine</td>
</tr>
<tr>
<td>7 Working days</td>
<td>33 Working days</td>
</tr>
</tbody>
</table>
100% DUST-FREE AND EASY TO CLEAN
After using the Concria™ system, dirt and grime no longer collect on concrete or dry-shake, and you have a 100% dust-free surface. Polishing reduces the need to clean concrete floors, and makes maintenance easier and faster.

DURABLE AND ABRASION-RESISTANT
More than just a pretty face, Concria™ also increases concrete’s abrasion resistance, meaning that the floor can better withstand heavy forklift and foot traffic. Concria polished concrete also can’t peel, chip, or flake like epoxy coatings or painted floors. And, polished concrete has an unlimited lifespan – it can endure as long as the building stands. It only needs to be refinished once every 5-10 years.

BEAUTY AND GLOSS
The grinding depth will affect how much the stones are exposed, and that will in turn affect the aesthetic appearance of the polished surface. The gloss level can be adjusted to your liking, ranging from an extremely high degree of shine to satin gloss. Floors with a glossy, mirror finish reflect light beautifully without the need for any wax or coating.
GET THE BEST OUT OF YOUR FLOOR
Concria™ PRO transforms ordinary concrete into a beautiful, durable, and glossy flooring solution, suitable for both industrial and public floors. Concria™ PRO is your best choice for a high-demand surface.

An attractive “salt and pepper” finished floor creates a clean and professional image. Concria™ PRO also offers the maximum seven steps for both new and old floors, effectively exposing the stronger concrete with fine aggregates and achieving a high-gloss look.
SATIN FINISHED CONCRETE FLOORING
Concria™ SATIN is a “salt and pepper” floor with a satin gloss. Aggregates are exposed (like PRO), but it includes three fewer steps to completion. Concria™ SATIN does, however, include 5 different polishing steps for new and old floors, and will make your concrete beautiful, durable, and suitable for public floors where a high gloss is not wanted.

CREATE A SHINY AND UNIQUE CONCRETE FLOOR
Concria™ UNIQUE flooring creates a cloud-like floor with a high level of gloss. Aggregates are not exposed, but the concrete paste is instead polished without grinding it away. Concria™ UNIQUE includes four different polishing steps for new floors.

PROTECTION OF CONCRIA™ FLOORS
Polished and satin surfaces are hardened with Concria™ HARD, the ultimate lithium densifier, then sealed with Concria™ GUARD, a special sealer for power trowels. This process makes the floor 100% dust-free, more durable, easier to clean, and more resistant to dirt and tire marks from forklifts.
• Use an existing concrete slab for your flooring
• Not vulnerable to humidity and moisture damage
• Can’t harbor mold, mildew, dust mites, or other allergens
• Low VOCs and offers the highest emission class: M1
• No need for hazardous coatings, cleaners, or adhesives
• High light reflectivity - this means less need for artificial lighting
• Low maintenance costs – no waxing or heavy chemicals
• Unlimited service life – as long as the building lasts!
• Easy and fast to repair, perfect for facilities open around the clock
• 100% dust-free flooring
• Fashionable and beautiful flooring
• Offers a clean and professional image
• High gloss and distinction of image (DOI) rating
• Fewer joints, creating a stronger floor
• Very good abrasion resistance
• Can’t peel, chip, or flake like epoxy coatings or painted floors
• Fire-resistant
It is not enough to cast your concrete well. If you want to get the maximum value and performance from your floor, it needs to be polished with a professional system. We can help you with that!

To guarantee the best possible results from your polished concrete floor, you need to first check the quality of your slab:

- Floor flatness/levelness criteria
- Concrete Mix Design
- Placing concrete
- Finishing the surface
- Floor reinforcement
- Concrete curing method
- Floor protection during construction

**GET THE BEST OUT OF YOUR FLOOR WITH CONCRIA™**

**WE ARE READY TO HELP, IF NEEDED – DON’T HESITATE TO CONTACT THE CONCRIA™ TEAM PROFESSIONALS.**
CONCRIATM FLOORING IS SUITABLE FOR ALMOST ANY ENVIRONMENT!

Concria™ polished concrete floors are ideal for almost all industrial and public buildings, offering a beautiful, economical, durable solution. In fact, because our systems are so versatile, it is easier to list where they are NOT suitable: environments where they may be exposed to harsh chemicals, extreme pH substances, or wet processing.

Existing floors typically require some surface preparation prior to polishing in order to remove dirt, grease, coatings, or blemishes. Bear in mind, however, that floors that are wavy, need extensive patching, or are extremely porous may not be good candidates for polishing.

CONCRIATM FLOORING IS SAFE TO WALK ON

Concria™ flooring may look like glass because of the high level of gloss, but it is completely safe to walk on when kept clean and dry. In fact, it is less slippery than waxed terrazzo or polished marble. You can also use rubber mats or area rugs in high-traffic entryways for extra traction (and peace of mind!).
TURN EXISTING FLOORING INTO POLISHED CONCRETE

Old concrete slabs are often revitalized for office, retail, or industrial spaces simply by polishing the concrete. Because most buildings already have an existing concrete floor in place, polishing is an ideal, sustainable, energy-efficient way to totally revitalize and repurpose a space with nothing more than the diamond grinding process.

Ceramic tile, VCT, linoleum, carpeting, wood, and other types of existing flooring can be easily and quickly removed. Polishing an existing concrete slab also eliminates the cost, energy, and material consumed by applying a floor covering or coating. Always check with an experienced contractor first to determine the suitability of the surface for polishing.
This very old concrete floor was refurbished by polishing the existing concrete, creating a clean and economical flooring solution in this exhibition center that we know will endure for many years to come.
The discs in the Concria™ BEAST system are made from premium materials, and are intended for grinding machines used on concrete and dry shake surfaces. These discs are engineered for longevity and performance, boasting an impressive lifespan that will minimize your overall costs while delivering exceptional gloss and clarity.

CONCRIA™ FAST DIAMOND DISCS FOR POWER TROWELS

How do we create such high-performance discs? The combination of a unique resin bond with the maximum number of high-quality diamonds yields the DOI value that our system is known for. This investment in quality also allows our discs to deliver an exceptional service life, covering up to 40,000 sq ft (4,000 m²).

CONCRIA™ BEAST SYSTEM FOR GRINDING MACHINES

The discs in the Concria™ BEAST system are made from premium materials, and are intended for grinding machines used on concrete and dry shake surfaces. These discs are engineered for longevity and performance, boasting an impressive lifespan that will minimize your overall costs while delivering exceptional gloss and clarity.
HIGH-PERFORMANCE SEALER FOR FAST POWER TROWEL BURNISHING

CONCRIA™ GUARD is our patented, high-performance, acrylic copolymer sealer, intended for polished concrete and all uncoated cementitious surfaces. This shiny, protective film not only makes your floor easier to clean, but it also delivers a chemical-resistant barrier for honed and polished concrete.

Concria™ GUARD can also be burnished with ride-on trowels, making it must faster to apply than traditional sealers.
SAVE TIME AND MONEY

Choose Concria™ floor!

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