

Polished Concrete

by

STONE SEAL 

Modern.Bespoke.Luxurious.

- 3. Overview
- 4. The Benefits
- 7. Diamond Polished Concrete
- 9. Coloured Polished Concrete
- 11. Applications
- 13. Exteriors
- 15. FAQ's



Overview

Create the perfect floor with Polished Concrete...

At Stone Seal, we transform concrete into stunning visual masterpieces. Our polished concrete floors are not only a testament to beauty and craftsmanship but also durable, environmentally friendly, and remarkably easy to maintain.

The process begins with meticulous planning, where the placement, custom design mix, and installation is tailored to perfection. Using advanced finishing techniques, we combine diamond abrasive tooling with hardeners and premium sealers to reveal the hidden beauty of natural aggregates. The result? A contemporary finish that enhances any space.

For those seeking added personalisation, our polished concrete can be stained or dyed to achieve a rich palette of colours and intricate patterns. Stone Seal elevates your floors from functional surfaces to elegant, timeless art.

Experience the perfect blend of durability, sustainability, and luxury.

The Benefits



DURABILITY & LONGEVITY

Polished concrete overlays are extremely durable and can last the lifetime of a building with minimal need for replacement or repair.



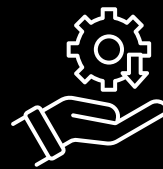
APPEARANCE & RETENTION

Polished concrete maintains its aesthetic appeal over time, easily resisting stains and wear to consistently project a clean, modern look.



AESTHETICS

Polished concrete provides a sleek, modern look with customisable finishes and unique natural variations. Its durable surface retains aesthetic appeal over time with minimal upkeep.



LOW MAINTENANCE

Offers low-maintenance durability, requiring only basic cleaning to retain its pristine appearance and structural integrity for decades.



LOCALLY PRODUCED

Made from locally sourced natural crushed stone, sand, and water, this low-carbon concrete minimizes transportation emissions, reduces its carbon footprint, and supports the local economy by using regional materials and labor near job sites.



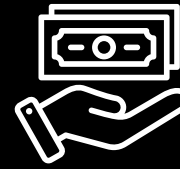
NON-COMBUSTIBLE

Offers exceptional non-combustible qualities, ensuring enhanced fire safety and durability for building structures by significantly reducing the risk of fire spread and structural damage.



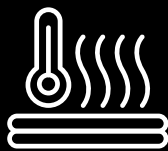
SUSTAINABILITY

Polished concrete floors are an extremely friendly choice since they don't require any hazardous chemical or coatings. They also help to reduce energy costs since they reflect light, reducing the need for additional lighting.



COST-EFFECTIVE

Polished concrete floors are cost-effective, durable, and low-maintenance. Poured directly over underfloor heating and pipes at a minimum of 75mm, they eliminate the need for a screed and can be installed quickly, reducing downtime.



THERMAL PROPERTIES

The thermal mass of concrete retains heat longer, enhancing heating efficiency. Acting as a thermal battery, it absorbs heat during the day and slowly releases it over time.



SLIP RESISTANCE

Enhances safety with customisable and interchangeable slip resistance, utilising levels of diamond grit finishes to meet diverse traction needs effectively.



Commercial Project: OPW Portlaoise

Stone Seal Diamond Polished Concrete

Here we have a fully exposed polished concrete finish, delivering a sleek and contemporary look. The reflective surface highlights the natural aggregate, creating a sophisticated and modern aesthetic. Ideal for commercial projects, the finish combines durability with a clean, industrial elegance, ensuring a high-quality and enduring appeal.

Diamond Polished Concrete

Stone Seal's Diamond Polished concrete floors are made with locally sourced materials, ensuring each installation harmonizes with its surroundings. Combining strength, sustainability, and visual appeal, these floors are built to last. Utilising natural sand and aggregates, our polished concrete floors offer a range of finishes that deliver a refined, industrial aesthetic. Suitable for public, commercial, and residential spaces, they enhance any environment with their timeless durability and sleek design.

Benefits:

- **Superior Durability** – Withstands heavy traffic effortlessly.
- **Long-Lasting** – Minimal maintenance, lifetime performance.
- **Energy Efficient** – Lowers heating costs.
- **Fire Resistant** – Non-combustible and safe.
- **Low Maintenance** – Easy to clean and preserve.

Finish Options:

- **Light:** Exposes fine sand matrix.
- **Medium:** Exposes matrix aggregate (3–5 mm).
- **Heavy:** Exposes matrix aggregate (>5 mm).

Summary: Beautiful, sustainable concrete flooring for all architectural projects. Tailored finishes ensure both form and function.

How to Specify:

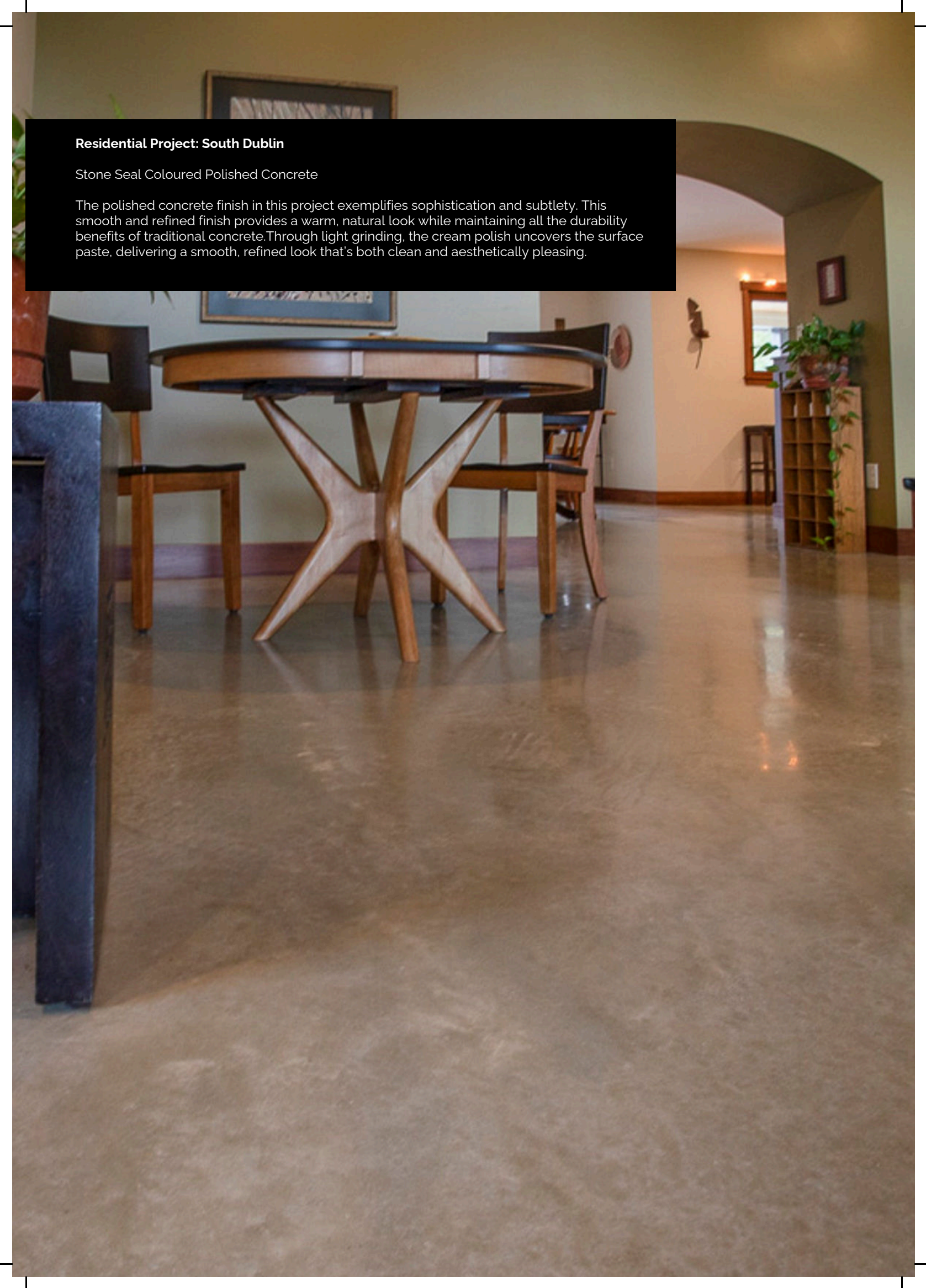
Scan the QR code below for a digital copy of the specifications.



Residential Project: South Dublin

Stone Seal Coloured Polished Concrete

The polished concrete finish in this project exemplifies sophistication and subtlety. This smooth and refined finish provides a warm, natural look while maintaining all the durability benefits of traditional concrete. Through light grinding, the cream polish uncovers the surface paste, delivering a smooth, refined look that's both clean and aesthetically pleasing.



Coloured Polished Concrete

Our coloured polished concrete floors are crafted with precision, using locally sourced materials to connect with the project's environment seamlessly. Applied with a coloured dry-shake hardener and power-trowelled to a smooth finish, these floors offer durability and timeless appeal. Ideal for public, commercial, and residential applications, they combine the natural aesthetic of concrete with exceptional strength, making them a practical and stylish choice for any space.

Benefits:

- **Vibrant Custom Colors** – Tailored to design schemes.
- **Eco-Friendly** – LEED-compliant, low VOC emissions.
- **Versatile Application** – Suitable for interiors and exteriors.
- **Fire Resistant** – Non-combustible and safe.
- **Energy Efficient** – Lowers heating costs.

Finish Options:

- **Matt:** Subtle, smooth finish.
- **Satin:** Soft sheen finish.
- **Gloss:** Reflective, polished look.

Summary:

Custom-coloured polished concrete that combines durability, beauty, and eco-friendly benefits for architectural excellence.

How to Specify:

Scan the QR code below for a digital copy of the specifications.



Residential Project: Lovers Walk Cork

Stone Seal Diamond Polished Concrete

This polished concrete finish showcases both elegance and restraint. The sleek, refined surface delivers a warm, organic look while preserving the robust durability of traditional concrete. Light grinding reveals the surface paste of the concrete, creating a smooth, consistent, and visually attractive finish with a clean and polished look.



Residential Floors

Polished Concrete has become the go-to flooring option for high-end domestic properties due to its pleasing visual aesthetic, wear resistance, heat retention & acoustic properties.



Commercial Floors

There are many reasons why Polished Concrete floors are the most fashionable flooring option in the commercial sector. They are extremely durable, non-combustible, low maintenance & have a timeless visual appeal.



Industrial Spaces

Polished Concrete is highly resistant to abrasion, light-reflective & extremely durable making it one of the most popular and practical flooring solutions for warehouses & areas with low natural light & heavy mechanical operations.



Public Spaces

We're now seeing more architects & designers of entertainment venues, university campus grounds, town squares & more turning to Polished Concrete floors as a solution to the age-old problem of wear & tear.





Residential Project: North Dublin

Exterior Stone Seal Diamond Polished Concrete

This image highlights Stone Seal's exterior diamond-polished concrete, featuring an elegant finish. The light grey tone offers a clean, contemporary look that complements the white walls and structured garden design. The polished surface enhances visual appeal while providing durability and resistance to outdoor elements, making it ideal for patios and walkways.

Exterior Finishes

Stone Seal offer a range of exterior finishes, each with its own unique aesthetic. All finishes provide excellent slip resistance without the need for topical sealers.

Bush Hammering – This dimpled effect is produced using specialist bush hammer tooling, providing the ultimate grip underfoot, making it ideal for areas requiring enhanced slip resistance.

Washed Concrete Finish – Created during installation using a low-pressure water application and stiff brushing to remove the soft surface layer, leaving the aggregate slightly raised above the cement base for a textured finish.

Exposed Aggregate Finish – Achieved through mechanical abrasion with lower-grit diamonds, this finish is ideal for outdoor spaces, providing PTV values of over 60 in wet conditions.



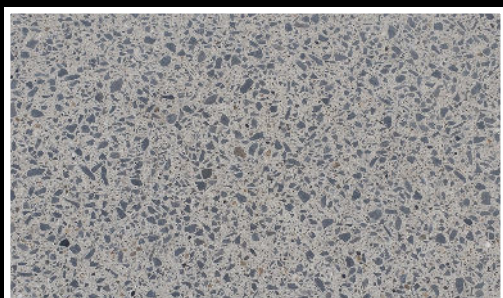
Bush hammered Concrete

Bush hammered concrete showcases a unique textured surface that enhances visual appeal. It is an affordable, eco-friendly option that ensures slip resistance and enhances safety. Additionally, it helps regulate temperature, making it a practical and sustainable choice for outdoor areas.



Washed Concrete

The washed concrete finish offers a natural, textured aesthetic that blends beautifully with outdoor environments. This low-maintenance surface is highly customisable and withstands harsh weather conditions with ease. Its slip resistance further enhances its practicality for outdoor use.



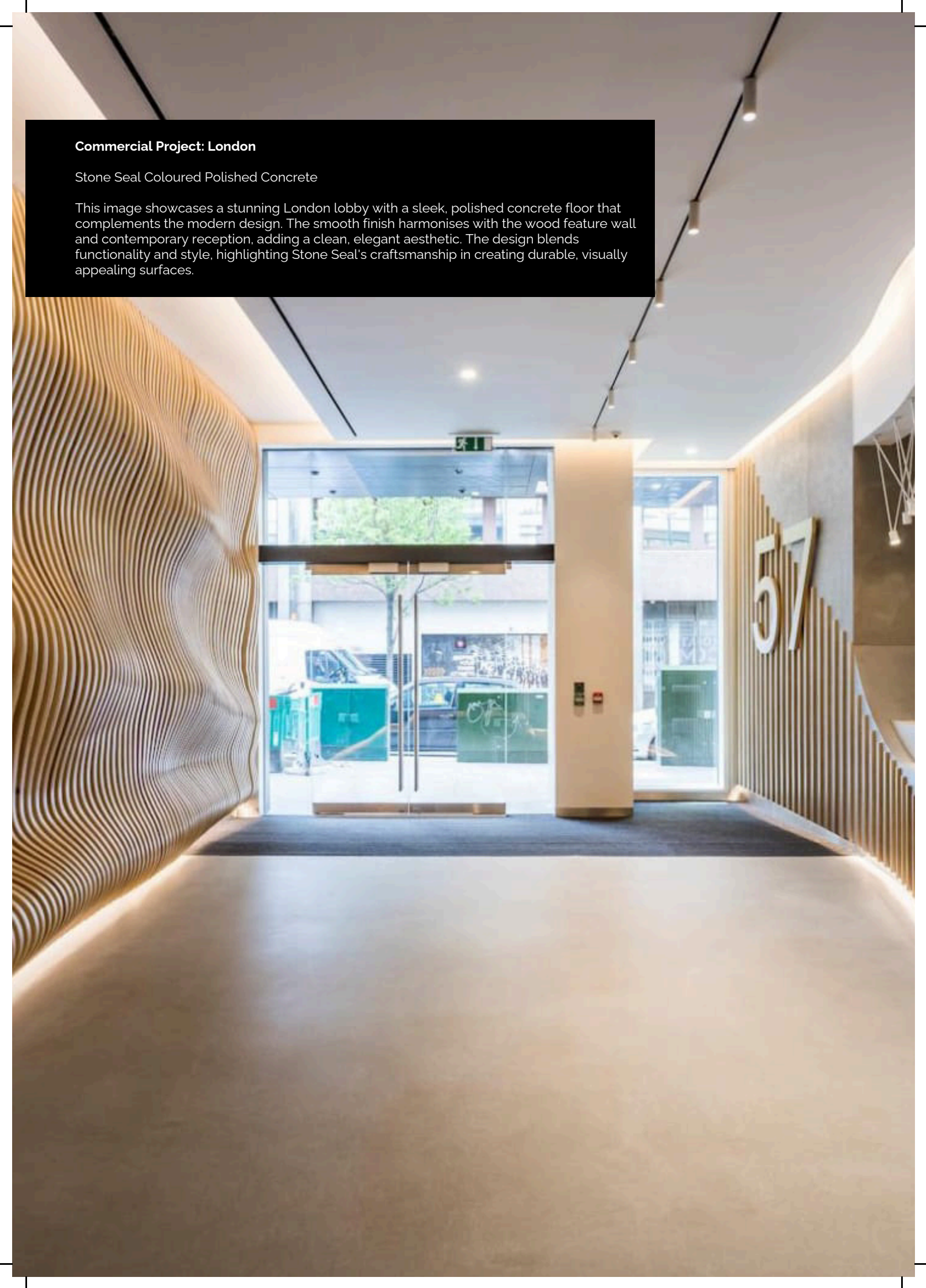
Fully Exposed Concrete

Fully exposed concrete delivers a sleek, modern look that enhances any outdoor space. It's highly durable, requires little maintenance, and ensures safety with its slip-resistant surface. Its adaptability to various design needs and weather resistance make it a versatile and reliable outdoor finish.

Commercial Project: London

Stone Seal Coloured Polished Concrete

This image showcases a stunning London lobby with a sleek, polished concrete floor that complements the modern design. The smooth finish harmonises with the wood feature wall and contemporary reception, adding a clean, elegant aesthetic. The design blends functionality and style, highlighting Stone Seal's craftsmanship in creating durable, visually appealing surfaces.



FAQ

What is polished concrete and how is it achieved?

The process involves using diamond abrasives to remove the top layer of the concrete, which exposes the aggregate and then gradually refining the surface until a smooth, glossy finish is achieved.

How durable is polished concrete compared to other flooring options?

Polished concrete flooring is extremely strong and resilient and can withstand the pressure from very heavy foot traffic and equipment.

Can polished concrete be used both indoors and outdoors?

You can have polished concrete floors both indoors and outdoors. However, polished concrete requires a bit more maintenance due to the effect of weather and the elements.

Is polished concrete easy to maintain?

Polished Concrete is one of the easiest flooring types to maintain. It requires no waxing or polishing like stone or wood floors. Polished concrete won't wear with traffic & is highly scratch-resistant.

What are the design options available with polished concrete?

There are plenty of achievable finishes with Polished Concrete from lightly to fully exposed aggregates. However, Stone Seal offers a comprehensive service with our team dedicated to delivering your desired finish with customisable colours, shades and aggregate sizes.

Residential Project: Monkstown

Stone Seal Diamonds Polished Concrete

This project in Monkstown showcases a sleek polished concrete finish, perfect for modern living spaces. The finish reveals fine aggregate just below the surface, providing a subtle, speckled texture that balances both elegance and durability.



FAQ Cont...

How long does it take to install polished concrete?

A typical concrete installation of around 100 sq mtrs can take up to 3 days, followed by a 30-day cure period during which the build can continue before refinement.

What is the cost of polished concrete compared to other flooring options?

The cost of polished concrete can be favourable when considering our sq metre rate is all-encompassing. There is no need for a screed build-up, glues, insulations, or additional fitting costs. Specify-Supply-Install.

Is polished concrete slippery when wet?

Looks can be deceiving with polished concrete. Despite the sheen, polished concrete has good slip resistance. In a commercial setting, it can be improved even further by changing the finish grit; lower grits give a higher PTV.

Can polished concrete be used in a commercial setting?

Polished Concrete floors are extremely durable, non-combustible, low maintenance & have a timeless visual appeal making them an ideal flooring solution for commercial & industrial applications.

Can polished concrete be installed over existing concrete?

Yes, we can polish existing concrete. The finish can be achieved as long as the floor is level, damp-free and in general good condition.

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