



Husqvarna®

HUSQVARNA
SUPERFLOOR™

**POLISHED CONCRETE FLOOR
SOLUTION BY HUSQVARNA**

FOCUS ON T

THE FLOOR

At Husqvarna, we're passionate about flooring in all its diverse forms. We understand that you're looking for functionality, sustainability, value and aesthetics from every square meter of surface. That's why we've made it our mission to offer all the processes, equipment, consumables and support you need.

Let's focus on the floor – and together, we can meet all your flooring challenges with confidence.

FUNCTIONALITY

VALUE

SUSTAINABILITY*

AESTHETICS



HUSQVARNA SUPERFLOOR™ is a process that includes a complete concept of machines, tools and chemicals. These are used together to create a mechanically refined, polished and diffusion open concrete surface with defined surface metric results, meeting the daily demands on a professional floor surface for industries, retail, as well as the public sector.



BEFORE

BRING OUT THE POWERS IN YOUR CONCRETE FLOOR

Why cover a concrete surface with materials that are not as strong as the construction concrete in place? A Husqvarna Superfloor™ brings out the powers of your concrete floor and you will get one of the most durable, easily maintained and versatile floors in the world.





AFTER

HUSQVARNA SUPERFLOOR™ – MECHANICALLY REFINED CONCRETE FLOOR

Husqvarna Superfloor™ is all about refining something already durable, not adding something weaker layer above it. The concrete is mechanically ground step-by-step according to a well-defined process for achieving the desired characteristics of a Husqvarna Superfloor™.

Your Husqvarna Superfloor™ is there, just beneath the surface. You'll get your first glimpse of it once you remove eventual existing floor coverings and start refining the surface.

When a concrete floor is cast the strongest material, the stone aggregate, settles below the surface leaving mainly cement at the upper surface. Continue grinding and polishing step-by-step to bring out its full luster. The more aggregate exposed, the stronger the floor.



WHY HUSQVARNA SUPERFLOOR™?

- Highly robust, durable floor solution.
- Low life-cycle cost.
- Works just as well for new floors as when renovating existing floors.
- Extreme evenness means low vibrations on fork lifts, operators etc.
- No dust build up from the floor means a healthier environment
- The grinding process is entirely dry, without sludge or water that needs to be taken care of.
- Easy to maintain.



FOCUS ON

FUNCTIONALITY

A Husqvarna Superfloor™ polished concrete has a nearly unlimited service life and it can handle the toughest treatment imaginable. Concrete is 80–85% stone and sand, which means your Superfloor™ polished concrete floor is comparable to rock. Clean it with Hiperclean™ pads, and little more will be needed in the way of maintenance.

MULTIPLE APPLICATION AREAS

- **Industrial and warehouse environments**
- **Public buildings**
- **Shops and showrooms**
- **High-end architecture**



ALMOST ANY ENVIRONMENT

Husqvarna Superfloor™ can be used almost anywhere. The naturally beautiful surface helps in creating a positive impression in shop environments, for example. Its durability and evenness are especially appreciated in factories and warehouses. The easily cleaned surface makes the floor a popular choice for schools, museums, shopping centers, airport terminals, gyms and other highly trafficked areas.

**UP TO 117% HIGHER RESISTANCE TO WEAR
COMPARED TO UNTREATED CONCRETE***

Husqvarna Superfloor™

Untreated concrete

* Source: SP Report P303050, SS 137241

FOCUS ON
FUNCTIONALITY

LESS VIBRATIONS REDUCE STRAIN ON EQUIPMENT AND PERSONNEL

The extremely smooth surface entails minimal vibrations when moving goods with forklifts, for example. This means a better working environment, with forklift operators, for example, being less exposed to vibrations.

At the same time, it also reduces forklift wear and maintenance costs. A smooth concrete floor is a prerequisite for installation of high-bay storage systems, with their especially stringent demands on tolerances.



- Less damage on forklifts and goods due to less vibrations
- Better working environment for operators
- Less truck marks because the non-sensitive surface to heat
- Save on lighting due to high reflective characteristics

SPARKPROOF AND FIREPROOF



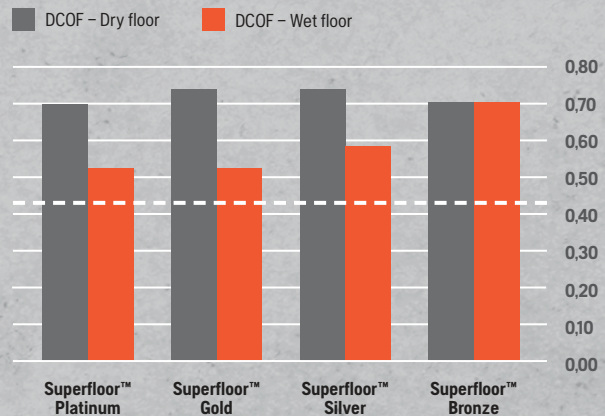
There are stringent demands in many operations for resistance to electrostatic discharge, ESD. Husqvarna Superfloor™ has been tested in accordance with IEC 61340-5-1, IEC 61340-4-1, IEC 61340-4-5 and complies with the American ANSI/ESD standard, which makes it an excellent floor even in sensitive environments. Husqvarna Superfloor™ also meets the requirements of the highest EU fire safety classification A1_{fl} (per EN 13501-1) and thus considered fully fireproof.

RESISTANT TO SLIPPING

Despite what many might believe, a highly polished Husqvarna Superfloor™ is safer when it comes to avoiding slipping accidents than many other floors, even when wet. This means a safer and more comfortable working environment.

All tested surfaces showed compliance with the ANSI A326.3 standard* and the readings were well within the approved range of the standard limit** of 0,42. Both in dry and in wet conditions.

SLIP RESISTANCE TEST CONDUCTED ACCORDING TO ANSI A326.3 STANDARD



* ANSI A326.3 is the newest US standard allowing for both Dynamic friction (DCOF) and Static friction (SCOF). However, when DCOF is assessed for a floor or sample, it is probably not necessary to assess SCOF. The Tile Council of North America and the Concrete Polishing Association of America both specify that their members use the BOT-3000E to do a DCOF test only since SCOF is applicable to a pedestrian who is standing still and the greatest risk of slipping is for a person in motion moving across the floor. Other existing standards like the ANSI B101.1 only allows for Static coefficient of friction (SCOF) whilst ANSI B101.3 is only for DCOF. And the ANSI A1371 addresses only slip resistance for ceramic tiles.

** The threshold provided in the ANSI A326.3 Standard require that hard surface flooring materials for level interior spaces expected to be walked upon when wet shall have a wet DCOF of 0,42 or greater, and surfaces not intended to walk upon when wet shall have a dry DCOF of 0,42 or greater. Hard surface floorings with a wet DCOF of less than 0,42 can also be installed but should be accompanied by precautionary actions to keep the floor as dry and clean as possible when walked upon, for example by using door mats, frequent cleaning schemes etc.



ESD tested
according to
IEC 61340-5-1

FOCUS ON

VALUE

A Husqvarna Superfloor™ polished concrete is a very cost-effective solution. The installation cost per square meter is usually low since the concrete is already in place. Due to the extreme durability and low maintenance needs, the life cycle cost of a Husqvarna Superfloor™ polished concrete floor is very competitive.



A VALUABLE FLOOR

- **Low installation cost when using the existing concrete slab**
- **High durability and wear resistance and no risk of flaking**
- **A healthy working environment thanks to no dusting and low vibrations**
- **Low life-cycle cost thanks to long life and cost-effective and chemical free maintenance**
- **Standard compliance with fire safety, ESD proof, indoor air quality and slip resistance**

COST-EFFECTIVE MAINTENANCE

Your Husqvarna Superfloor™ will always be super-easy to keep in like-new condition. The smartest way to keep your floor clean is to use a floor-cleaning machine with Husqvarna Hiperclean™ diamond pads. This not only cleans the floor, it micro-polishes it too using only water. Manual cleaning, such as with a vacuum cleaner or wet mop, also works well.

After several years, the floor gains a natural patina. If preferred, it can be polished to easily restore its original gloss. There is no practical limit as to how many times the process can be repeated.



HIPERCLEAN™ pads with impeganated diamonds for daily maintenance with only water.



Ready for grinding
5-7 days after casting

FOCUS ON

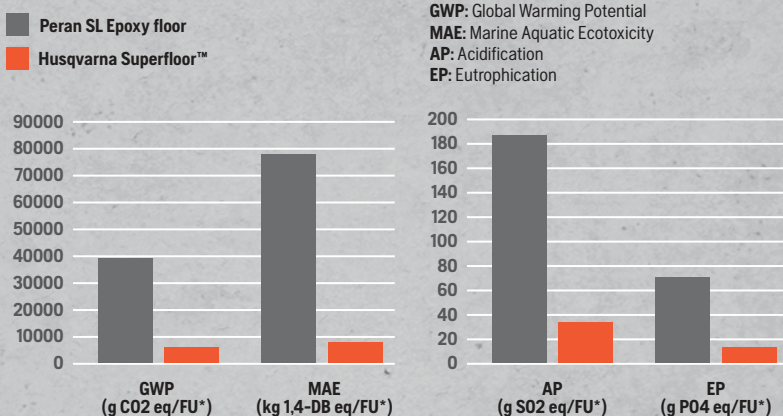
SUSTAINABILITY

Husqvarna Superfloor™ as a floor solution is a sensible choice from a sustainability perspective, as the process consists of refining the natural components of the concrete without adding more layers of materials. The polishing process requires a minimal amount of chemicals and these have been chosen carefully to cause very little environmental stress.

MINIMAL EFFECT

Once you've decided on a Husqvarna Superfloor™, your contractor will be working with something that is already on site – the concrete. The process consumes very little energy, either with new construction or renovation of an existing floor. No unnecessary transports, no demolition. Thanks to Husqvarna's efficient grinders and dust extractors with high-performance vacuuming, operations not directly affected can continue as usual.

COMPARISON OF THE ENVIRONMENTAL IMPACT OF A HUSQVARNA SUPERFLOOR™ POLISHED CONCRETE VERSUS AN EPOXY FLOOR#



* FU = Functional Unit = 1m² floor

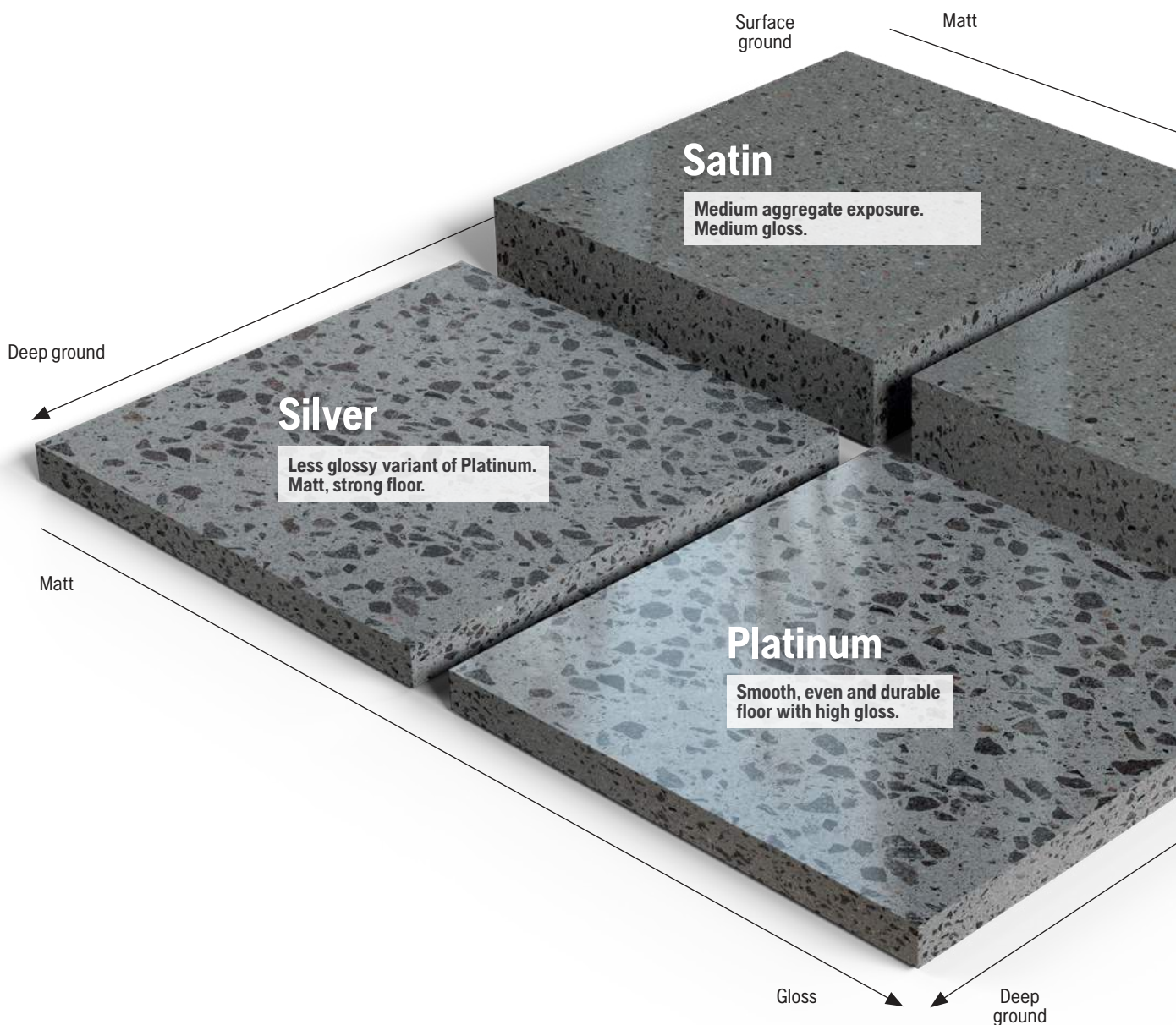
Lifecycle analysis for surface treatment of concrete floors, a comparison of the environmental impact of a SUPERFLOOR™ polished concrete versus a Peran SL epoxy floor, Linköping University 2019.



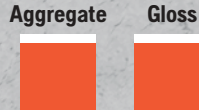


WHICH SUPERFLOOR™ IS RIGHT FOR YOU?

It's all up to you. Grinding depth and level of gloss is parameters you can choose from to define the suitable Husqvarna Superfloor™ for your needs. To make it easier to choose, Husqvarna Superfloor™ is available in four pre-defined surface finishes and degrees of aggregate exposure: Satin, Silver, Gold and Platinum.

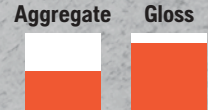


SUPERFLOOR™ PLATINUM



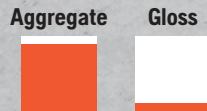
PLATINUM is the best of the best. By repeatedly grinding and polishing the floor, you get a smoother, more even floor with more aggregate exposure and unmatched resistance to wear. PLATINUM is the most popular surface finish and is a good choice for most applications.

SUPERFLOOR™ GOLD



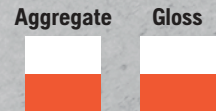
GOLD entails that the floor is not ground as deep as with PLATINUM. However, the floor is polished to the same gloss. GOLD can therefore be a good choice for concrete floors that are already smooth and even.

SUPERFLOOR™ SILVER

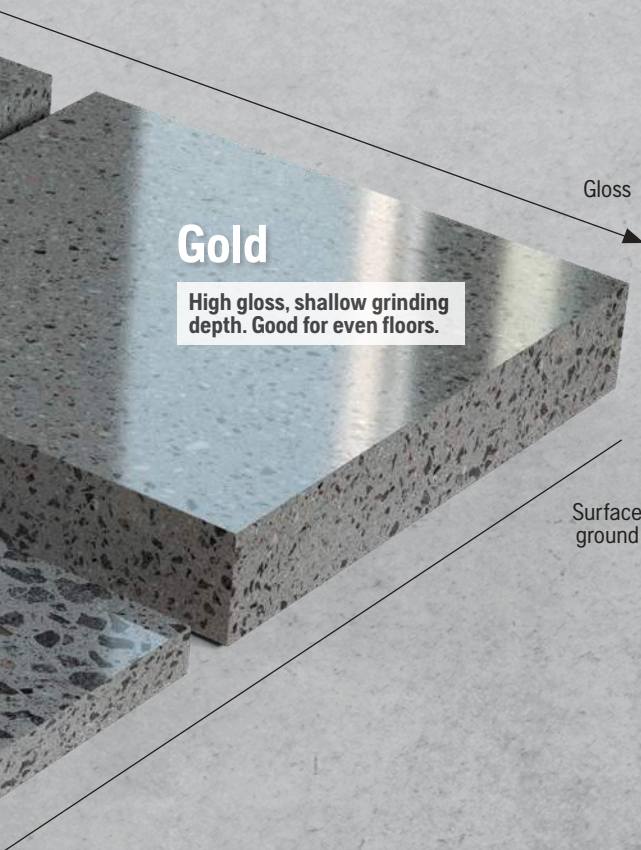


SILVER is a matte variant of Platinum. Since the grinding depth is the same and aggregate is widely exposed, the floor is very strong. A good choice when you do not need or want a highly reflective floor.

SUPERFLOOR™ SATIN



SATIN finish is an indoor application for retail areas, shop fronts and indoor public spaces with semi-exposed aggregate and medium gloss appearance. The result is a floor that offers functionality and low maintenance but still aesthetically pleasing.



THE CUSTOM FLOOR

Besides the four concepts Satin, Silver, Gold and Platinum, you can also have a custom finish that matches your specific preferences for aggregate and gloss.



YOUR PROFESSIONAL PARTNER

PLAN

We help make sure your flooring wishes come true. We're here for you from start to finish.

PROCESS

Over the years we've developed the industry's most proven and refined process.

PARTNERSHIP

We provide products and service all over the world. But we also quality assure the results by sharing our know-how through our partners and certified contractors.

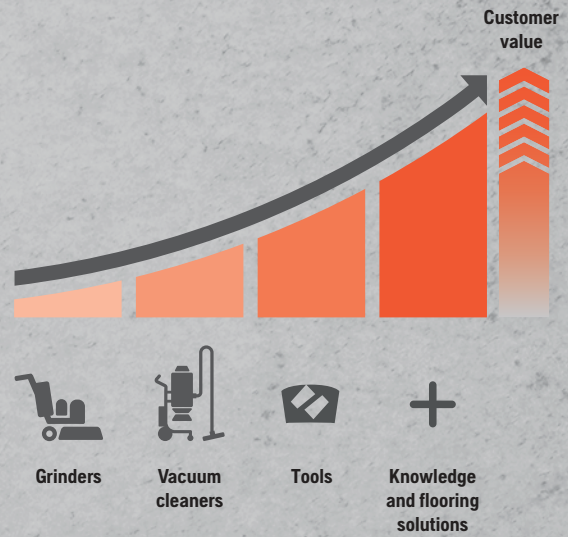
PERFORMANCE

Husqvarna leads and drives technical development when it comes to machines, tools and methods for grinding and polishing concrete floors. We're only satisfied when our customers attain perfect results.



STRONG SYSTEM SYNERGIES

Husqvarnas's strength is in its clear synergies between machines, accessories, tools, knowledge and the experience we provide. Each of the grinders, vacuum cleaners, tools, courses and methods are among the industry's best. Together they make up the solutions that create maximum business benefits and optimal results.





HUSQVARNA SUPERFLOOR™

STANDARD COMPLIANCE

ANTI-SLIP

EN 14617-3 / ANSI A326.3



Determination of the slip resistance by means of the Pendulum Tester as well as acc. to the American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials.

ABRASION RESISTANCE

SS 137241 / EN 13892-3



Determination of the increased abrasion resistance on polished surfaces following our specified Husqvarna Superfloor™ processes.

DECLARATION OF PERFORMANCE



Declaration of performance against European standards for Products and Systems for the protection and repair of concrete structures, such as protection against ingress. Also encompassing health, safety and environmental issues.

ESD – ELECTRICAL DISCHARGE

IEC 61340-5-1 / IEC 61340-4-1/5



Electrostatics – Protection of electronic devices from electrostatic phenomena. Compliance with ESD standards.



INDOOR AIR QUALITY

EMICODE EUROFINS GOLD



Compliance of product emissions from our floor grinding chemicals with the criteria of all legal specifications issued by authorities in the European Union and its member states for sustainable building certifications.

FIRE SAFETY

EN 13501-1



Husqvarna Superfloor™ also meets the requirements of the highest EU fire safety classification A1_{fl} (per EN 13501-1) and thus considered fully fireproof.

WATER ABSORPTION

EN 1504-2 / RILEM II.4

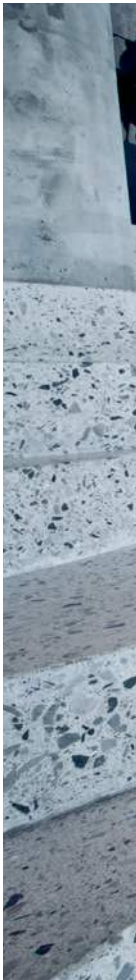


Resistance to water absorption acc. to RILEM test No. II.4 using the Karsten pipe test kit and Protection against ingress acc. to CE and UKCA standards.



INSPIRATION

Husqvarna Superfloor™ in various environments all over the world.



**PUBLIC BUILDINGS
AIR FORCE MUSEUM**



**PUBLIC BUILDINGS
CONFERENCE CENTER**

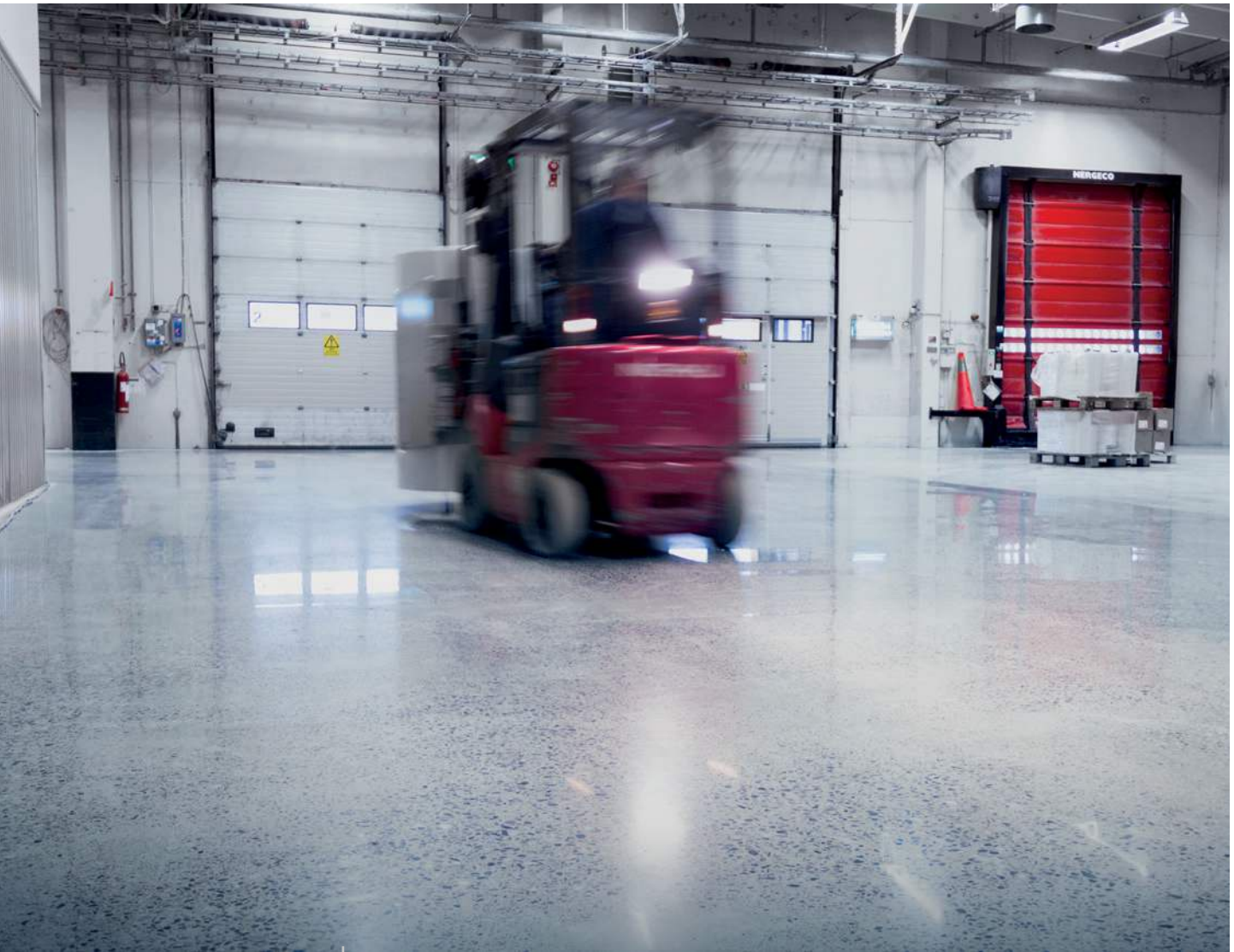


**SHOPS AND SHOWROOMS
BANK ENTRANCE**



**INDUSTRIAL AND
WAREHOUSE
ENVIRONMENTS
AUTOMOTIVE PLANT**





**INDUSTRIAL AND
WAREHOUSE
ENVIRONMENTS
WAREHOUSE/
MANUFACTURING
ENVIRONMENT**



**SHOPS AND SHOWROOMS
SHOPPING CENTER**



**HIGH-END ARCHITECTURE
KENNEL/HOME ENVIRONMENT**



**PUBLIC BUILDINGS
GOVERNMENT OFFICE**



 **Husqvarna**[®]

husqvarnaconstruction.com