

THE ORIGINAL POLISHED CONCRETE FLOOR

HTC
Superfloor™



Superfloor™
HTC



Looking for one of the most durable, easily maintained, natural and versatile floors in the world?

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**YOU'RE
PROBABLY
ALREADY
STANDING
ON IT.**

Beneath the surface of your concrete floor is a HTC Superfloor™, the original polished concrete floor, just waiting to emerge. The now world-leading concept was launched more than 20 years ago. The methodology has been refined over the years, becoming an efficient and structured process carried out by trained contractors the world over. From a technical standpoint, our success is due to two separate pioneering HTC innovations – the patented planetary floor grinder and equally unique HTC diamond tools. The results are entirely unparalleled.



BRING OUT THE SUPER POWERS IN YOUR CONCRETE FLOOR

A **HTC SUPERFLOOR™** is so much more than just a natural and living surface. Look a little closer and you'll discover the super powers that make your floor unique.

Step-by-step to your HTC Superfloor™

When a concrete floor is cast the strongest material, the stone aggregate, settles below the surface leaving mainly cement at the upper surface.

The HTC Superfloor process entails mechanically enhancing a newly cast or existing concrete floor. The concrete is ground step-by-step according to a well-defined process for achieving the desired characteristics.

Your HTC Superfloor™ is there, just beneath the surface! You'll get your first glimpse of it once you grind away the top layer. Continue grinding and polishing to bring out its full luster. The more aggregate exposed, the stronger the floor.



Why so many people choose HTC Superfloor™

- ▶ The original method, refined over the decades.
- ▶ On average 40% lower life cycle costs than with traditional flooring solutions.
- ▶ Works just as well for new floors as when renovating existing floors.
- ▶ The grinding process is entirely dry, without sludge or water.
- ▶ Extreme evenness means low vibrations.
- ▶ Minimal environmental impact.
- ▶ Easy to maintain.

SUPER-STRONG

AN HTC SUPERFLOOR™ has a nearly unlimited service life and it can handle the toughest treatment imaginable. Concrete is 80–85% stone and sand, which means your HTC Superfloor™ is comparable to rock. Clean it in accordance with HTC's recommendations, and little more will be needed in the way of maintenance.

Almost any environment

HTC 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.

Multiple application areas



Industrial and warehouse environments



Public buildings



Shops and showrooms



High-end architecture

Resistance to wear

Up to 117% higher resistance to wear compared to untreated concrete.

HTC Superfloor™

Untreated concrete

Source: SP Report P303050, SS 137241



HTC SUPERFLOOR™

HTC SUPERFLOOR™

Ready for grinding
5-7 days after
casting

SUPER-ECONOMIC

A **HTC SUPERFLOOR™** is a very cost-effective solution – for the short term, long term and everything in between. The cost per square meter is surprisingly low, since the concrete is usually already in place. But HTC Superfloor™ is also a smart alternative for new construction since grinding can begin just 5-7 days after casting.

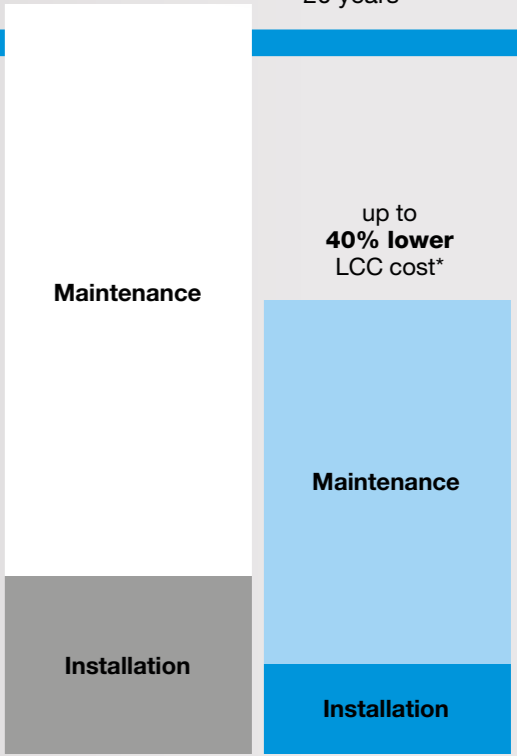
Cost-effective maintenance

Your HTC 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 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.

* Comparison of average costs (2018) for installation and maintenance of four common flooring solutions over a 20-year period. Compared flooring: vinyl, ceramic tiles, quarry tiles and epoxy-terrazzo. Comparison made with HTC Superfloor™ as the departure point. Source: HTC Sweden AB

Life-cycle cost
20 years



Other floor solutions

HTC Superfloor™

HTC SUPERFLOOR™

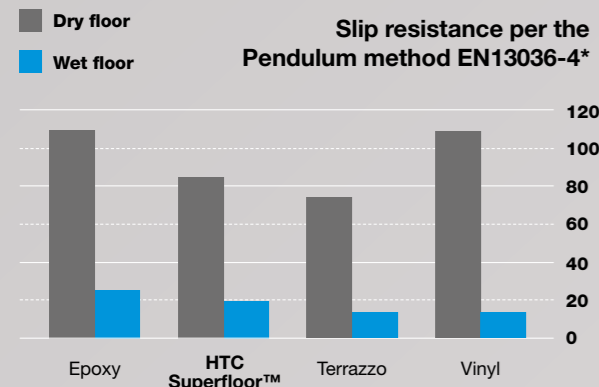
HTC SUPERFLOOR™

SUPER-SAFE

HTC SUPERFLOOR™ IS A NATURAL FLOOR that creates a safe and secure working environment for many different activities. It produces no dust. It's an extremely smooth and even surface to drive on. At the same time as it is slip-resistant, it complies with the highest standards for handling electrical equipment. When it comes to fire safety, it's rated highest of all.

Resistant to slipping

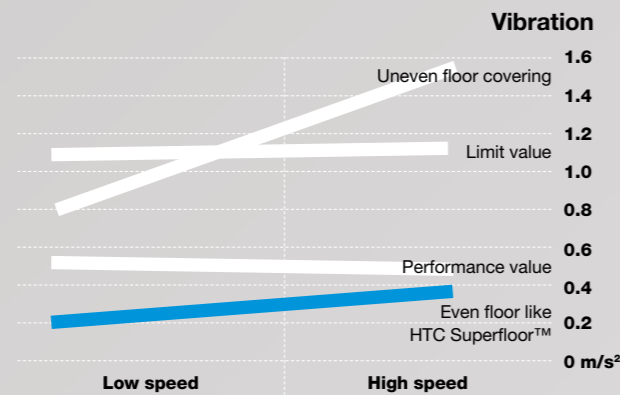
Despite what many might believe, a highly polished HTC Superfloor™ is safer when it comes to avoiding slipping accidents than many other floors, even when wet. This means a safer and more comfortable working environment.



*Source: SP Report, F812033, Technical Research Institute of Sweden, 2008-06-13

Vibration-free

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.



Source: Measurement by CVK AB 23 Aug 2007. Limit values in accordance with AFS 2005:15



Sparkproof and fireproof

There are stringent demands in many operations for resistance to electrostatic discharge, ESD.

HTC Superfloor™ has been tested in accordance with EN 1815:1997, SS-EN 61340-5-1, IEC 61340-4-1 and complies with the American ANSI/ESD standard, which makes it an excellent floor even in sensitive environments. HTC Superfloor™ also meets the requirements of the highest EU fire safety classification per A1FL (96/603/EC), and is thus considered as fully fireproof.

Approved in accordance with
SS-EN 61340-5-1
IEC ANSI/ESD

HTC SUPERFLOOR™

HTC SUPERFLOOR™

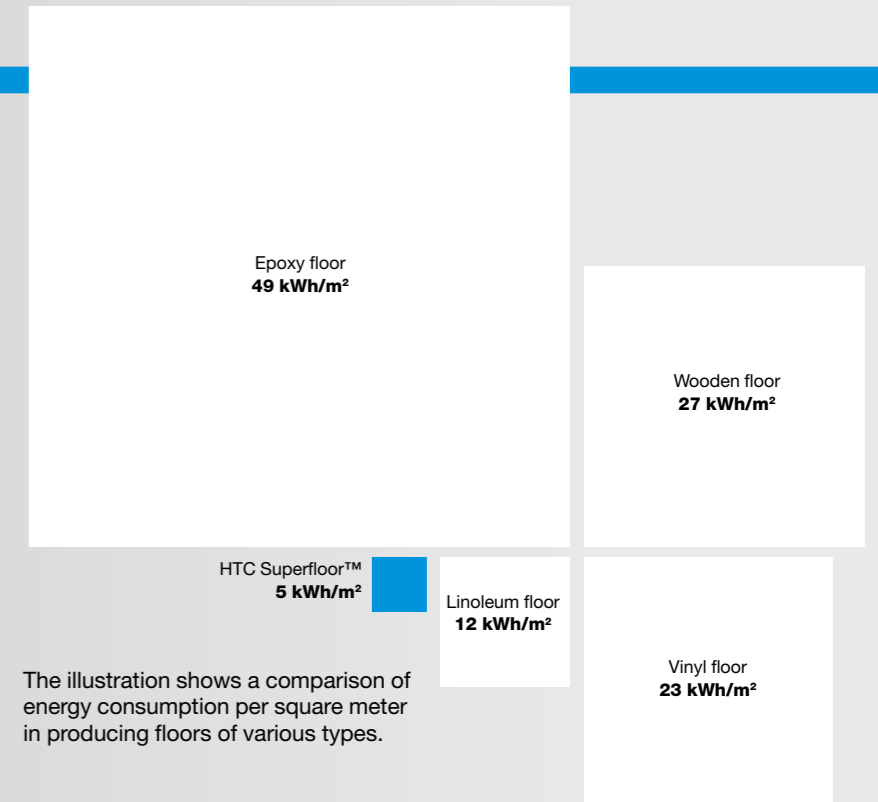


SUPER-SUSTAINABLE

A **HTC SUPERFLOOR™** can be one of the most sustainable components you choose for your building, both economically and environmentally. A concrete floor consists of entirely natural components – stone, sand, water and cement. Because the process is practically chemical-free compared to other flooring solutions for heavily trafficked environments, your HTC Superfloor™ is a good choice both for people and the environment.

Minimal effect

Once you've decided on a HTC 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 HTC's efficient grinders and dust extractors with high-performance vacuuming, operations not directly affected can continue as usual.

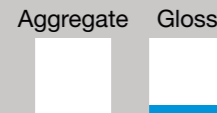


The illustration shows a comparison of energy consumption per square meter in producing floors of various types.

WHICH HTC SUPERFLOOR™ IS RIGHT FOR YOU?

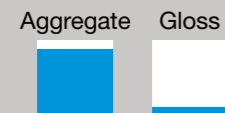
HTC SUPERFLOOR™ IS AVAILABLE IN FOUR DIFFERENT SURFACE FINISHES AND DEGREES OF AGGREGATE EXPOSURE: Bronze, Silver, Gold and Platinum. It's the grinding depth and number of polishing steps that differentiate the finishes.

HTC Superfloor™ Bronze



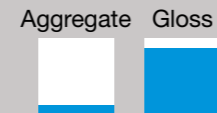
With its finely honed upper layer, Bronze is the simplest HTC Superfloor™. The aggregate will not be visible. This produces a smooth and matte surface with somewhat lower resistance to wear. Best in applications with limited wear.

HTC Superfloor™ Silver



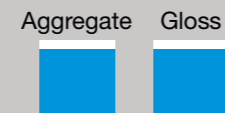
Silver is a less glossy variant of Platinum because the grinding depth is the same. The polishing steps, however, are fewer. It thus provides a matte but strong floor.

HTC 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.

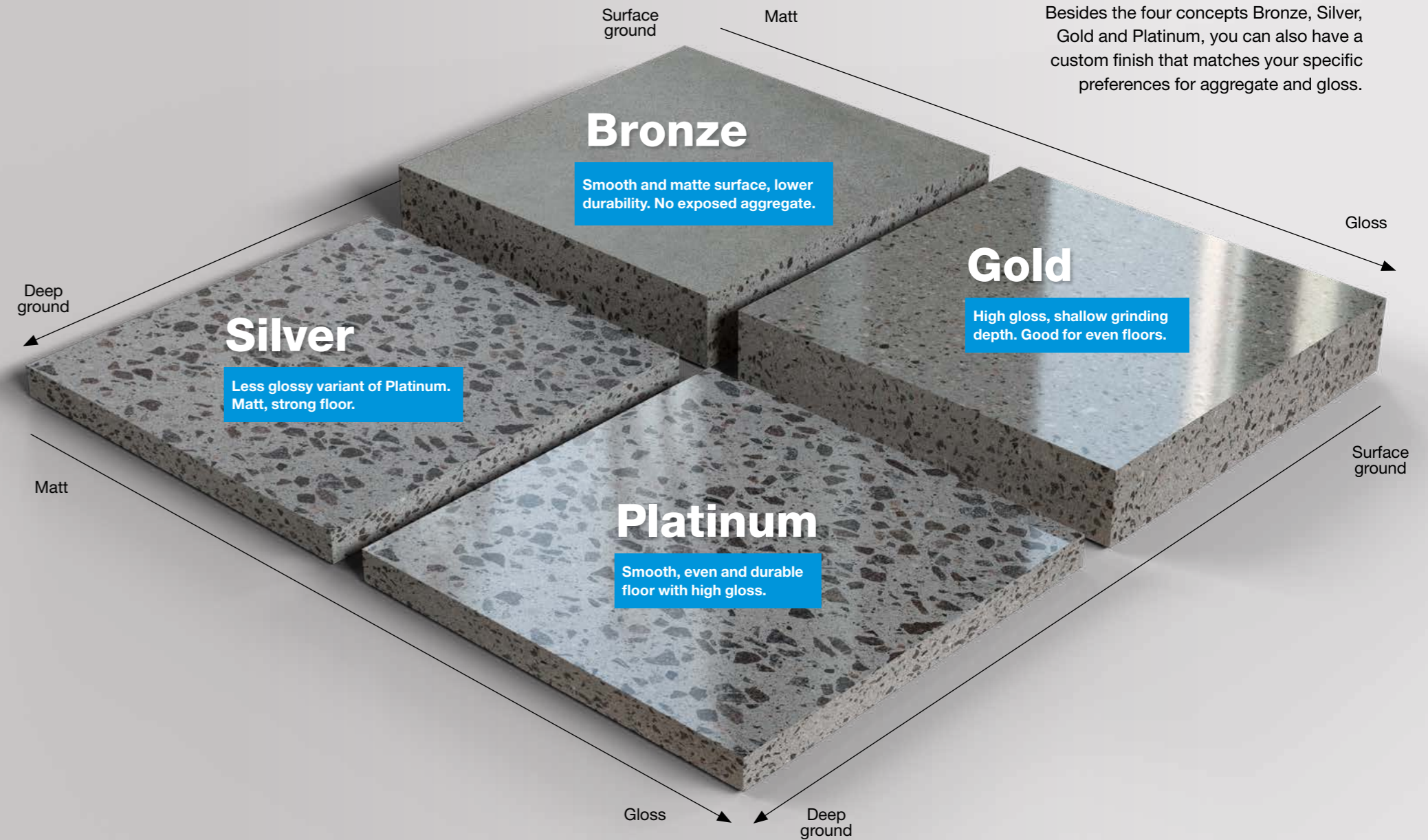
HTC Superfloor™ Platinum



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.

The custom floor

Besides the four concepts Bronze, 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.

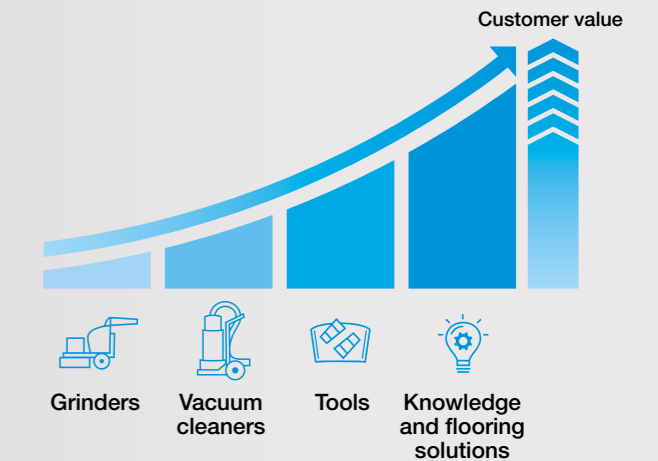
Performance

HTC 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

HTC'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.



INSPIRATION

HTC Superfloor™ provides sustainable solutions all over the world.



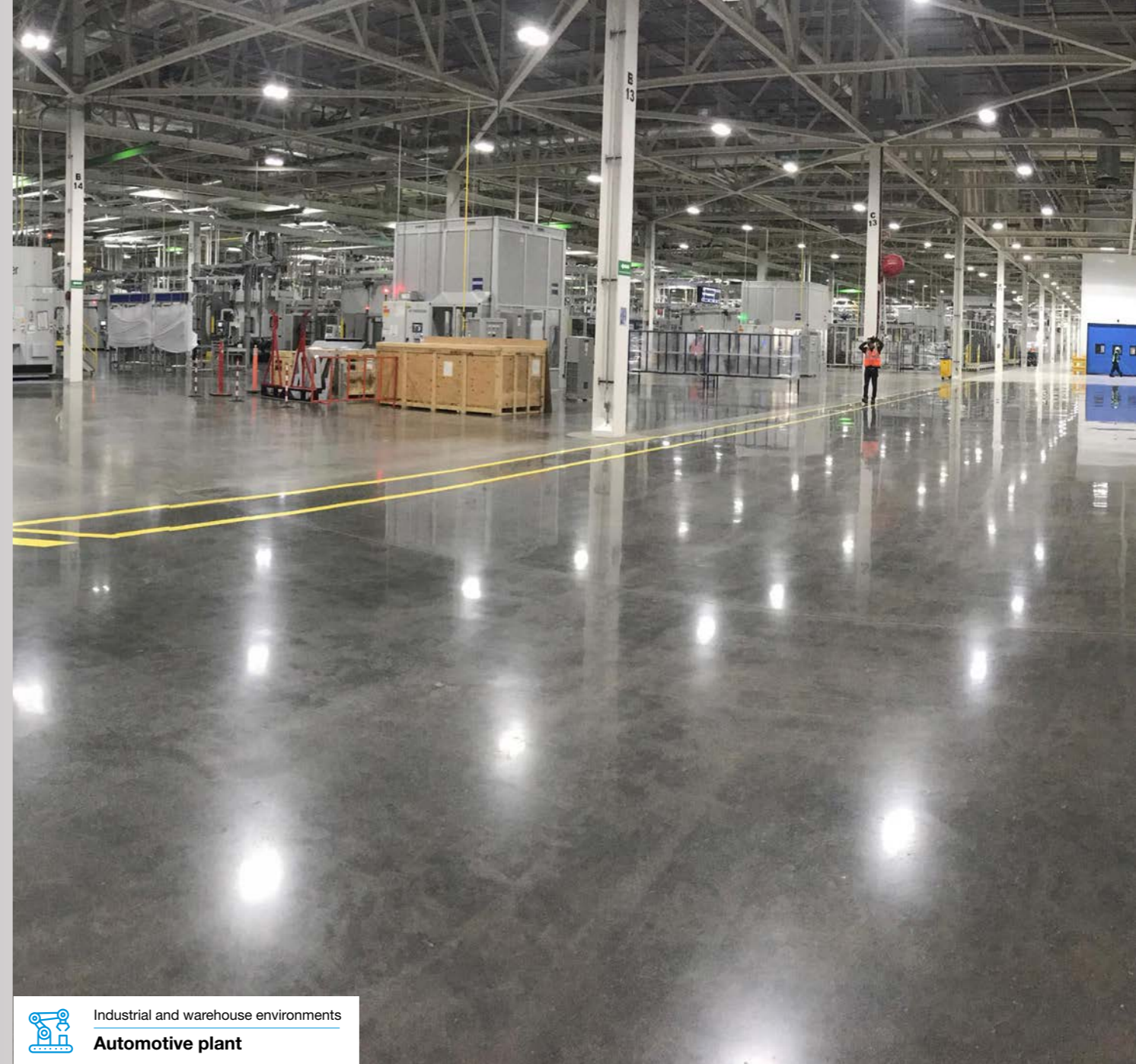
Public buildings
Air Force Museum



Public buildings
Conference center



Shops and showrooms
Bank entrance



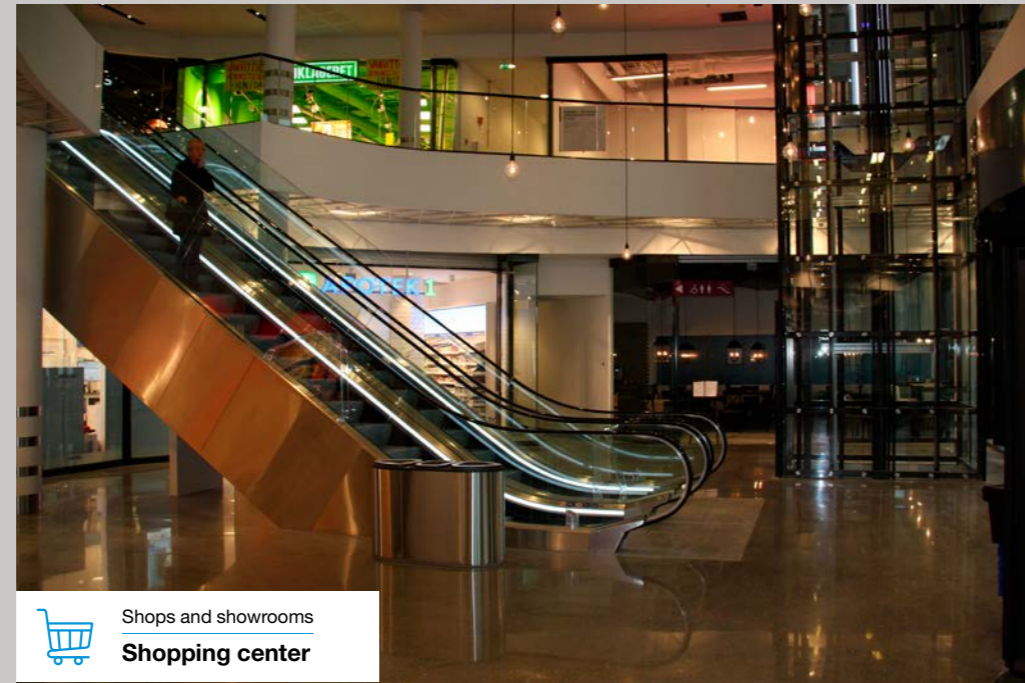
Industrial and warehouse environments
Automotive plant



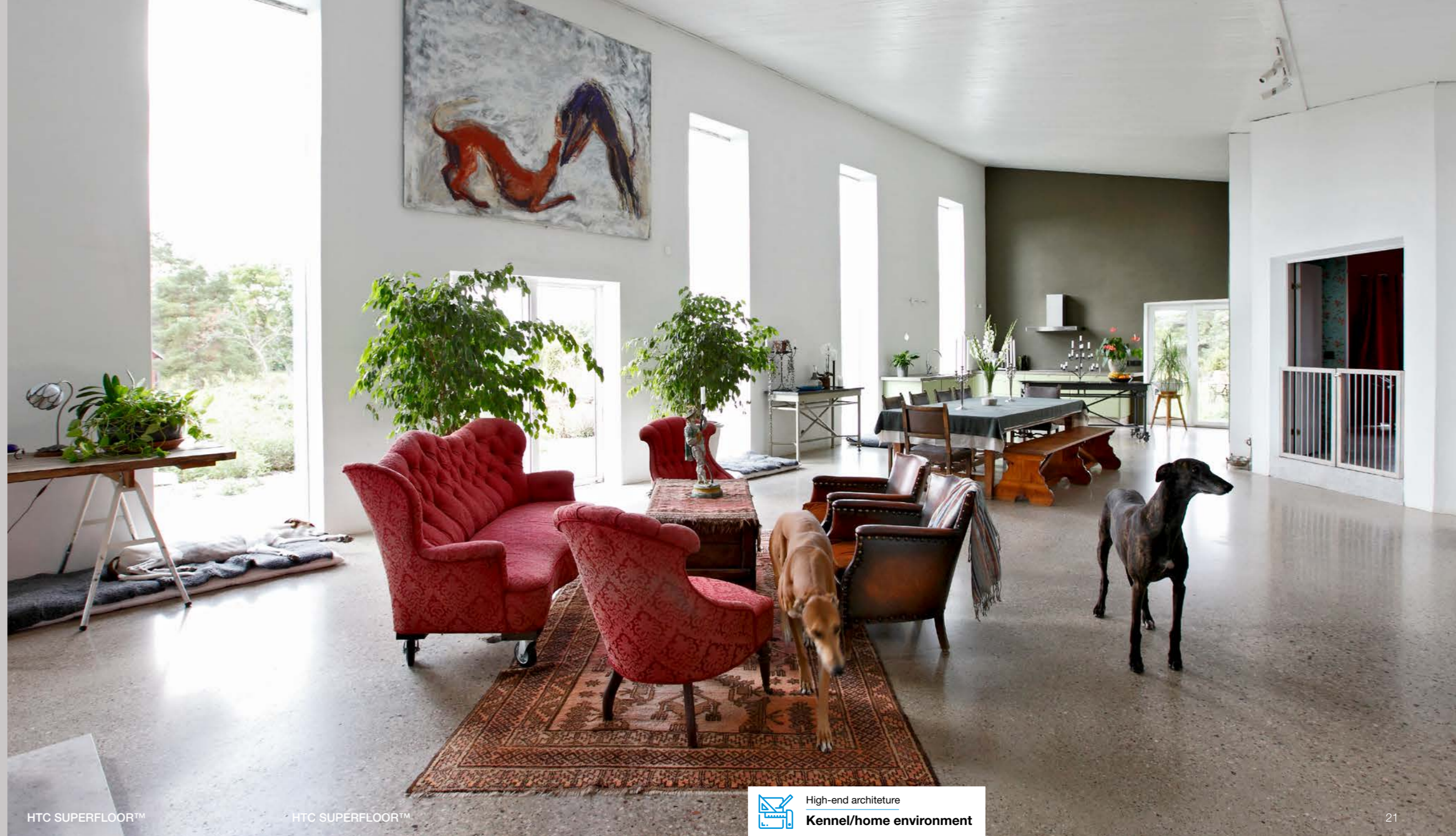
Public buildings
Government office



Industrial and warehouse environments
Warehouse/manufacturing environment



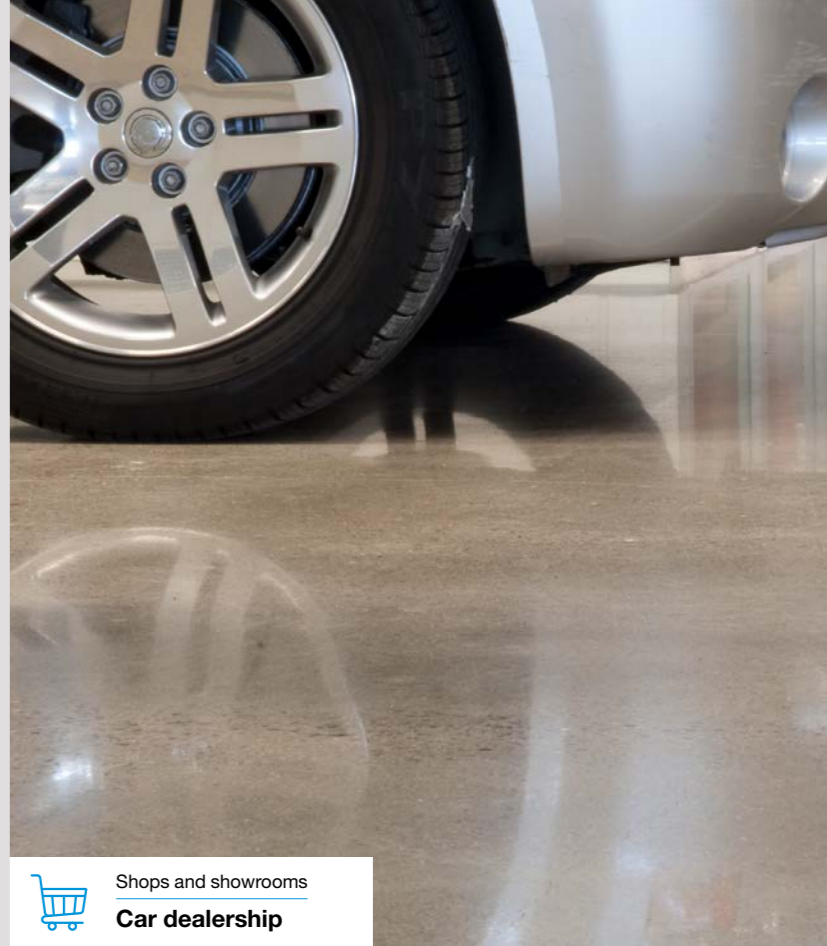
Shops and showrooms
Shopping center



HTC SUPERFLOOR™

HTC SUPERFLOOR™

High-end architecture
Kennel/home environment



INNOVATION AT WORK

HTC IS THE INNOVATIVE FORCE behind the global floor grinding industry. We're constantly building strong partnerships with all who share our goal of leading and driving development. With trailblazing innovations, products you can trust, financial benefits and knowledge, we're helping our customers to achieve unprecedented results. When you work with HTC you have a highly professional partner you can trust. Every day.



HTC
Professional
Floor Systems

www.htc-floorsystems.com