

# The future of dedusting.

Kappa Zeron®

Integrative. Emission-proof. Sustained value.

THE  
FUTURE  
HAS ZERO  
EMISSIONS

 kappa



Dedusting plants are still  
planned and constructed by the

**stringing together  
of individual components.**

Compromises are unavoidable.  
They often come at the expense of  
function and economy.



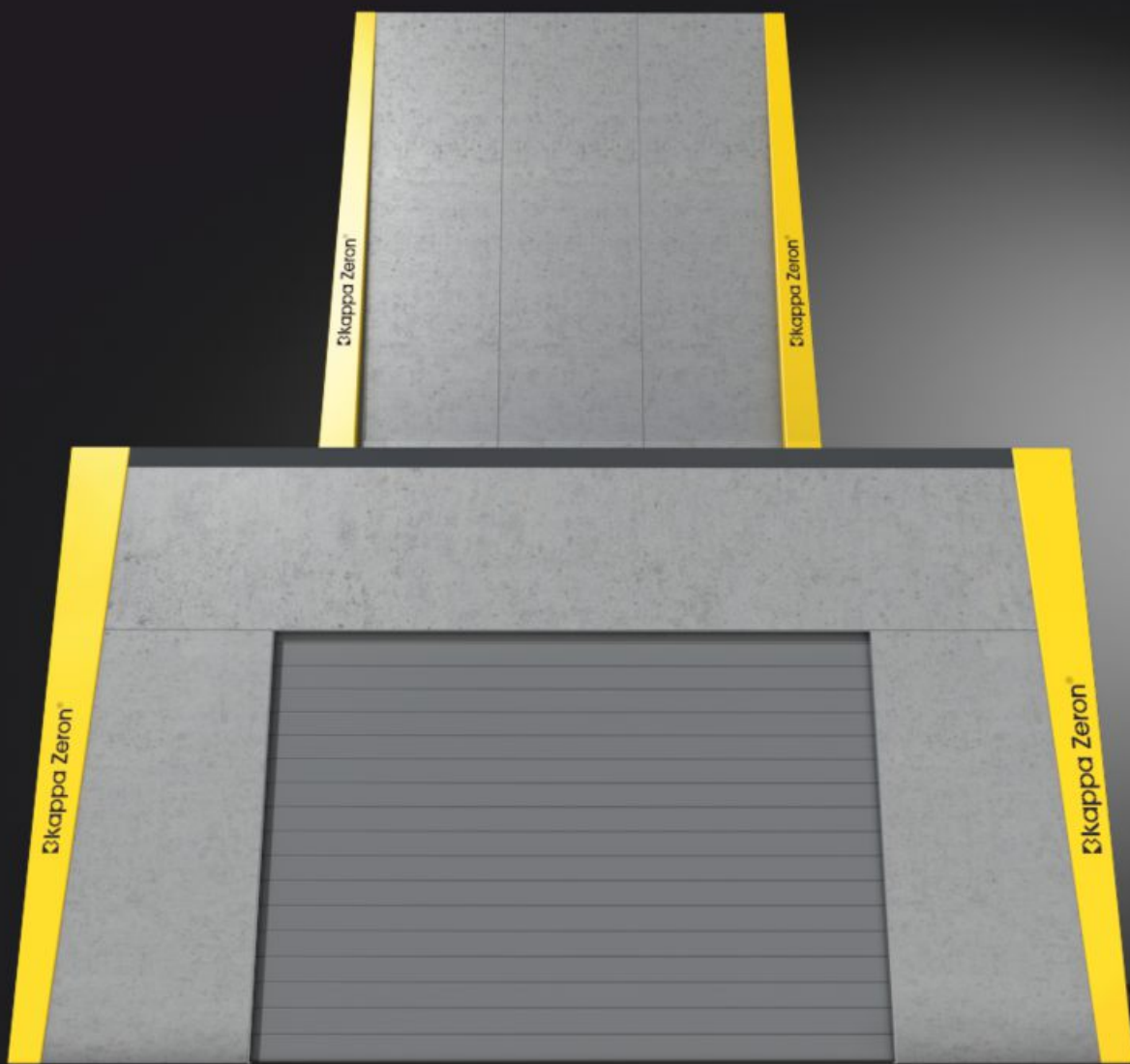


Why not integrate  
all functions  
in one  
dust extraction system –  
efficient and economical?

**NO more**

**tricks  
and**

**compromises**  kappa



# **Kappa Zeron<sup>®</sup> sets a new standard.**

A large-scale dedusting system  
in innovative, patented solid  
construction made of  
prefabricated concrete elements,  
which combines all functions.

It's never been done before.

## **One building, one system, all functions**

From the pre-separation chamber, filter chambers and fans (including the entire raw and clean gas supply) to the stack – everything is integrated in Kappa Zeron.







# Kappa Zeron<sup>®</sup> is emission and sound-proof

# Kappa Zeron<sup>®</sup> retains its value.

# And lets you forget filters.

The industry  
of tomorrow  
has a friendly face.

Modern, clean and secure workplaces are increasingly becoming a matter of location. Kappa Zeron gives the industry a completely new face – clean, attractive and safe. The Kappa Zeron is no longer an apparent filter system, but looks like an independent, high-quality and value-retaining industrial building – sound and emission-proof.

## **Kappa Zeron<sup>®</sup>**

### **Integrative.**

The Kappa Zeron integrates all functions in one compact filter housing, from pre-separation to the stack.

### **Emission and soundproof.**

Sheet metal panels are a thing of the past. Solid panels of ready-mixed concrete ensure that neither emissions nor noise escape to the outside.

### **Sustained value.**

The solid construction makes it clear: Kappa Zeron is not a filter, but a high-quality building. This has value, and this retains its value.



Inspiration: architecture

Result: a large dedusting system  
that is not perceived as such.

**60,000 to  
over 2,000,000  
cubic metres per hour**

**Kappa Zeron® sets  
new standards in terms of  
function, economy,  
safety, comfort and  
lasting value.**

**Kappa Zeron is the new development in large-scale industrial dedusting.**

What has been state of the art so far is measurably exceeded.

The intelligent structure of large-format solid concrete panels turns a filter system into a building in which all functions are combined. This results in optimal air flow without swirling and turbulence. The total resistance decreases. The energy requirement is significantly reduced in comparison with conventional systems.

# Kappa Zeron<sup>®</sup>

## Uncompromising for your benefit.



**Best performance at all levels – the Kappa Zeron convinces with:**

**1) Function:**

The entire filter building is emission and sound-proof. The clean gas values are less than 0.5 mg/m<sup>3</sup>. This is 10 to 40 times lower than the international limits.

**2) Cost-effectiveness:**

26% lower power consumption than systems that were previously state of the art.

**3) Safety and comfort:**

By integrating all functional components in one filter building, all operating areas are protected from weather and easily accessible. With a resistance of 15,000 kg/m, the surface of Kappa Zeron has the highest pressure resistance. The installation of the filter system is 20% faster than for conventional systems.

**4) Sustained value and longevity:**

Kappa Zeron is the most economical long-term solution for large-scale industrial dedusting. Thanks to the intelligent design, the filter building can be extended at any time. Longevity is guaranteed. Thanks to the modular design, the filter building can by and large be dismantled non-destructively and moved to another location.

**5) Aesthetics:**

Kappa Zeron is architecture and design at the highest level. Kappa Zeron is not perceived as a filter, but as a high-quality environmental technology building. Kappa Zeron contributes to a company's image as a modern and future-proof employer.





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