

INDUSTRIAL FLOORING



LUXOVIT® for industrial flooring

Luxol A/S has more than 30 years of experience supplying calcined flint - Luxovit® - to industrial flooring. We deliver high quality products to a variety of different industries - always on time, in full and with customer care being top of mind.

Luxovit® is a unique, cost effective and strong aggregate for the production of durable, resistant and aesthetical flooring solutions.



LUXOVIT®

- THE IDEAL AGGREGATE FOR INDUSTRIAL FLOORING

Different industries make different technical demands on the flooring in terms of durability, strength, safety, maintenance and aesthetics. Floors containing Luxovit® are ideal for all kinds of industries that need a strong, resistant and hygienic solution e.g. food and beverage factories, chemical plants, hospitals and pharmaceutical industries.

Luxovit® used for industrial flooring provides a wide range of advantages:

STRENGTH & DURABILITY

Luxovit® offers a strong resistance to any mechanical, thermal or chemical exposure. The ideal aggregate in places where you expect heavy traffic or in aggressive environments where hygiene and chemical resistance are key words. Luxovit® increases the wear resistance and enables easy and seamless maintenance and cleaning processes. Luxovit® is resistant to heat, high pressure cleaning and both alkaline and acidic liquids and substances.

AESTHETICS

Luxovit® provides a unique whiteness to the floor. Light, uniform and neutral floor surfaces generate an attractive working environment and furthermore it reduces lighting needs. In addition to creating a more friendly working environment for employees, the whiteness also affects the way we perceive cleanliness and sanitary conditions. Luxovit® adds decorative white flecks to the floor that enhance the appearance of the surface.

SAFETY

Luxovit® is an ideal non-skid aggregate that maximizes floor safety. A safe and productive working environment requires a high degree of slip resistance in both walking areas and in sites with heavy traffic. Luxovit® improves the scratch resistance which ensures that the floor retains its slip resistance.

WORKABILITY

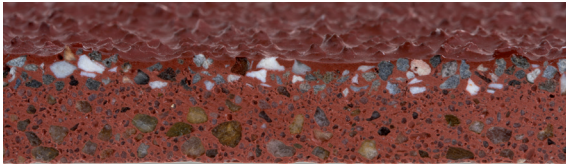
When flint is heated the heating process generates a surface with a diverse texture. The angular grain shape of Luxovit® provides a unique workability in connection with both mixing and application of flooring solutions. Luxovit® can be applied as an aggregate mixed into the flooring toplayer or by spreading it directly onto the wet surface.



LUXOVIT®

- A VARIETY OF POSSIBILITIES

Luxovit® can be used in combination with other natural aggregates and is applied utilising either mixing or spreading processes.



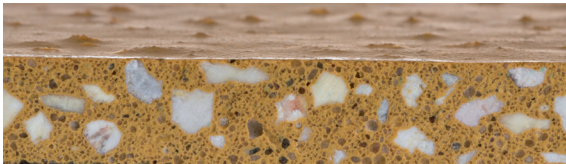
GRAIN SIZE 1,0-1,5 MM

Smaller sized grains spread onto the toplayer for medium surface structure and easy cleaning.



GRAIN SIZE 1,6-2,5 MM

Medium sized grains spread onto the toplayer for a rough structure and high skid resistance.



GRAIN SIZE 2,0-3,0 MM

Bigger sized grains mixed into the flooring toplayer for a smoother surface and long durability.

APPLICATION



Luxovit® mixed into the flooring toplayer provides a strong and durable solution and a homogenous, smooth surface.



Luxovit® spread directly onto the wet surface provides a rough and more diverse surface with a unique slip resistance.

GRADINGS



LUXOVIT®: 0,5 - 1,0 MM



LUXOVIT®: 1,0 - 1,5 MM



LUXOVIT®: 1,6 - 2,5 MM



LUXOVIT®: 2,0 - 3,0 MM



LUXOVIT® - TECHNICAL DATA

SiO ₂	97 %
Na ₂ O + K ₂ O + MgO	1 %
CaO	1,2 %
Fe ₂ O ₃	0,2 %
Al ₂ O ₃	0,5 %
Specific gravity	2400 kg/m ³
Bulk density	1200 kg/m ³
Water content	<0,1 %
Hardness (Moh's scale)	7
Content of organic ingredients	0 %
The contents of grains without fractures do not exceed:	2 %
Alkali silica reactivity:	0 - no cracks (20 weeks)
Water absorption:	2 - 3 %
pH value:	app. 10
PSV:	55 - 60
Free from asbestos. Particles < 5 μ	< 0,2 %

Luxovit® is acid and base proof (normally used acids and bases).

When used under normal conditions in the building and road construction sectors the material can be considered frost proof.

The material is totally crushed and angular-shaped.

Luxol offers global delivery of calcined flint - both wet and dried and in customized fractions from 0-16 mm. Bulk delivery in ships, on trucks or in road tankers. Bagged delivery in 25 kg bags or big bags.

Global supplier with more than 30 years of experience
Strong and proven aggregate solution for various industries
Unique customer service and consistent quality
Worldwide distribution and delivery on time

Luxol A/S is the world's leading supplier of calcined flint, i.e. flint that has been calcined or heated to high temperatures.

When the flint is calcined to approx. 1200°C the stone becomes white and crystalline in character. After calcination the white flint is crushed and sieved into the required fractions. The white crystalline flint, Luxovit®, is called the "Danish Diamond" due to its hardness.

Luxovit® is used as an aggregate in many different industries ranging from road construction, road marking and white prefabricated concrete elements to industrial flooring and resin industry and water filtration.

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