

Lithurin® Formula

is a well preserved composition with its origins from the early 1900s and has over the years been refined into today's products. The technique is simply described as a chemical reaction with minerals and substances in the concrete and the product. The benefit is that as soon as the chemical reaction is finished, the result is a homogeneous structure in the concrete, with no risk of scaling and flaking.



Abrasion

The biggest problem for a floor is mechanical abrasion through walking, vehicle and work lift traffic. Independent test results prove that Lithurin® treatment increases abrasion resistance by approx 20 times according to SP (Swedish National Testing and Research Institute). In abrasion a C 25/32 concrete is to be compared with a C50/60 concrete, when treated with Lithurin®. Lithurin® replaces so called dry shake hardeners with less risk, less manpower at a lower cost.



Green aspect

Lithurin® is water based and environment friendly. Lithurin® gives no smell or taste and is therefore also approved to be used in food industry proven by independent test institute SIK (Swedish Institute for Food Research).

History

Lithurin® has been used on concrete floors for 40 years on more than 30 000 000 m² in 35 countries. Among our customers are companies such as Volvo, SAAB, Coca Cola and Akzo Nobel.



Efficiency

Independent test results prove that when using Lithurin® as "moisture curing" the efficiency is as high as 79%, (75% is demanded).

Where to use Lithurin® treatment?

- Warehouses, production and distribution centres
- Shops, depots and shopping centres
- Garages and car parks
- Airfields, concrete roads, hangars and harbour areas
- Airports, train stations and bus terminals
- Storage facilities and basements etc.



LITHURIN® HARD, DENS & SEAL ARE COMBINED ON THE BASIS OF ECONOMY AND REQUIREMENT

Indoor treatment

1 x Lithurin® Hard
1 x Lithurin® Seal

Area of application: when a hard and durable surface is required on a machine-finished concrete floor. A correctly executed treatment produces an abrasion value equivalent to hard concrete.

1 x Lithurin® Hard
1 x Lithurin® Dens

Area of application: when a hard and durable surface is required on a machine-finished concrete floor that is going to be sprinkled with water, e.g. washing facilities or surfaces that are cleaned with highpressure washing.

1 x Lithurin® Dens

Area of application: when the aim is to control dust on self leveling mortar. A correctly executed treatment provides a dust-free, easy to clean and glossy surface, which reduces friction and thereby increased durability.

1 x Lithurin® Seal

Area of application: when the aim is to control dust on machine-finished concrete floor. A correctly executed treatment provides a dust-free, easy to clean and glossy surface. Lithurin® Seal reduces friction and thereby increases durability.

1 x Lithurin® Seal

Can be used as a combined moisture curer and dust binder. Applied directly on a ready trowelled.

Diamond ground concrete

1 x Lithurin® Hard

Area of application: to obtain a harder surface. With a harder surface, the gloss appears earlier compared with an untreated surface (increases the permanence of the gloss and is cost-effective).

1 x Lithurin® Dens

Area of application: to obtain a sealed surface before polishing a concrete surface. Lithurin® Dens seals the pores in the concrete surface and produces a deep gloss.

Outdoor treatment

2 x Lithurin® Hard

Area of application: to obtain a hard and durable surface outdoors, where the concrete surface has a finer surface structure and where the aim is to retain the surface structure as anti-slip protection.

2 x Lithurin® Hard
1 x Lithurin® Dens

Area of application: when a hard and durable surface is required outdoors, where the concrete surface has courser surface structures.

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