Latexfalt® [HD]

Industrial floors

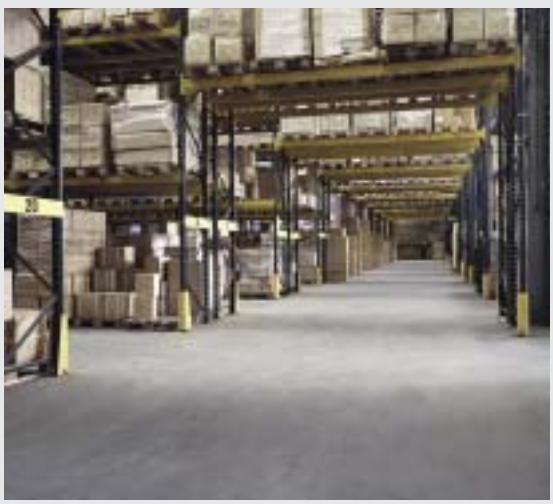
LATEXFALT

System

A screed flooring system approximately 2 cm thick which is applied by bonding to a bearing subsurface. In principle any solid subsurface is suitable: new or old, in good or poor condition. The Latexfalt floor consists of a hydraulic binding agent, bitumen or modified bitumen emulsion and mineral additives: all environmentally safe raw materials which guarantee an environmentally safe end product. Floors of this type are referred to as Hydraulically bound Bitumen Emulsion floors, or HBE floors. The mortar is mixed on site, then spread, compacted and smoothed. It is applied cold, either manually or mechanically, releases no harmful fumes, and forms a seamless finish. Large irregularities in the subfloor are eliminated in advance using Latexfalt. Depending on the conditions, the drying time is three to five days. Colour finishing is possible.

Usage

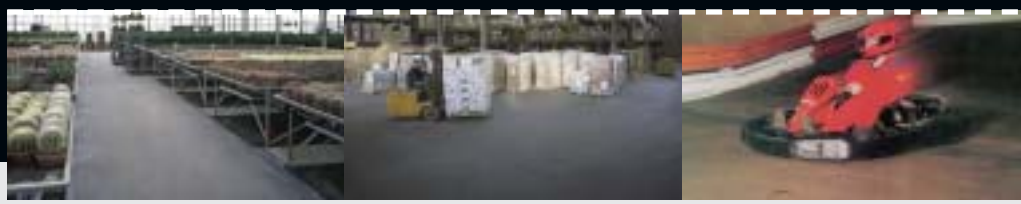
Latexfalt the sure way of making - and keeping - internal floors suitable for higher static and dynamic loads. Point loads up to 9 N/mm^2 can be accommodated.



No other bitumen-based floor can cope with such heavy conditions of use as Latexfalt. Its resistance to mineral oils and fats and other chemicals is limited, though concentration and time obviously play a role here. Excellent bonding to concrete, bonded gravel foundations, concrete slabs, paving bricks, tiles and asphalt. Also suitable for use as a screed floor on precast concrete slabs, which are used, among other systems for flooring in buildings. LATEXFALT BV provides advice on thickness and composition and on total construction, in accordance with the expected loadings.

Applications

In production halls, stores, warehouses, distribution centres, railway platforms and car parks where high loads are expected. Using the floor-laying machine makes it possible to apply the floor with greater flatness. This machine is equipped with a compacting mechanism and a laser-control device, enabling a compacted, flat floor up to 3.5 metres wide to be laid in a single run. Application should take place at an ambient temperature above 0°C.



Economical

The installation costs of a floor constructed with wear-resistant, non-slip Latexfalt is low. Moreover, the investment quickly pays for itself, not only because of the floor's durability, but also because of the reduced wear to materials handling systems. Complaints of dusty conditions and machine damage caused by dust are also things of the past. In addition, the improvement in working conditions leads to higher productivity. Its shock-absorbent character makes this a pleasant floor to walk and drive on, while the good sound-damping properties also contribute to the creation of a pleasant working atmosphere.

A durable product

This modified-bitumen floor retains a permanent plasticity. This helps prevent cracks and other damage and, even where these do occur, they will not spread and will actually be resealed by intensive traffic. The floor is guaranteed to be able to carry traffic at temperatures between -20°C and +80°C.

Copes easily with peak loads

Even when subjected to very intensive use with dynamic loads, for example heavily-laden fork-lift truck traffic, the floor remains in good condition, provided the floor's compression strength is not exceeded [Latexfalt 5 N/mm^2 and Latexfalt HD 9 N/mm^2].

Special product advantages

This floor has a warm texture. Its good heat insulating properties reduce condensation formation, enabling moisture-sensitive products such as rice, tobacco, paper, etc., to be placed directly on the floor. Shrinkage and expansion are negligible, so that even very large areas are laid seamlessly. The usual thickness of this floor is 15 to 30 mm, though the thickness can be increased or run out to virtually nil locally, without affecting its good bonding or life. This enables any irregularities in the underfloor to be eliminated, including at joints with existing floors and access and exit ramps.

A durable, versatile floor

However resilient the floor may be, a local repair may occasionally be necessary: after moving machines, or due to mechanical damage. Small repairs can be carried out quickly and effectively, and without the need to call in outside help, using Latexfalt Coldfix repair mortar.

Sure guarantees and tried and tested systems

LATEXFALT BV is a specialist in the manufacture of products for water-sealing, preservation, grip improvement and renovation or repair of floors, roads and roofs. Latexfalt industrial floors have been used for decades in the construction industry. LATEXFALT BV can supply complete flooring systems inclusive application, and always with a full guarantee.
For further information without obligation contact the sales department.

Summary

Latexfalt the jointless industrial flooring system:

- low installation costs
- low maintenance costs
- will withstand a wide range of production environments and temperatures
- will reduce maintenance costs on mechanical handling equipment and reduce operator fatigue
- provides good sound absorption properties in a high noise environment
- can reduce condensation
- quick and easy to repair

Technical specifications

	LATEXFALT®	LATEXFALT HD®
compression strength	5 N/mm^2	9 N/mm^2
flatness DIN 18202	Zeile 3	Zeile 3
slip-resistance dry Leroux	91	91
vol. mass kg/m^3	2100	2100
average thickness	17,5-20 mm	17,5-20 mm
minimum thickness	15 mm	15 mm
surface	grey/black slip-resistant	grey/black slip-resistant
joints except expansion joints	none	none
heat insulation DIN 4108	approx. 0,7 W/mK	approx. 0,7 W/mK

LATEXFALT® industrial flooring systems

Latexfalt® Seamless industrial floor screed [from 15 mm thickness] based on bitumen emulsion and cement for new and old floors. Shock and sound absorbent. 5 N/mm^2.	**Latexfalt® Skimcoat** Flooring treatment based on rubber bitumen emulsion and cement for renovating old bituminous and concrete floors.
Latexfalt® HD [Heavy Duty] Seamless industrial floor screed [from 15 mm thickness] based on modified bitumen emulsion and cement. Resistant to higher static and dynamic loadings. 9 N/mm^2.	**Latexfalt® Colortop AC** Coloured treatment based on acrylics, epoxy and polyurethane for Latexfalt and Lastofalt floors or other substrates.
Lastofalt® Seamless industrial floor screed [from 12 mm thickness] based on a polymer emulsion and cement. Resistant to very high point loadings, mechanical damages, chemical and oil.	**Latexfalt® Colortop EP/PU** Coloured treatment based on acrylics, epoxy and polyurethane for Latexfalt and Lastofalt floors or other substrates.
Latexfalt® Coldfix pre-mixed cold repair mortar for repairing floor damages.	**Latexfalt® Parkdeck** Waterproof hard-wearing anti-skid surfacing based on polymer modified bitumen emulsion filled with special aggregates for exposed surfaces e.g. parking decks.

LATEXFALT

info@latexfalt.com www.latexfalt.com