

Herkulit Strö is a ready-mixed dry shake hardener to be applied on freshly laid, damp concrete surfaces. Herkulit is made of pure, specially granulated quartz, Dynagrip and a special cement based on Portland cement.

Herkulit Strö is available in 4 variants.

- Herkulit Strö 100 / 100S for concrete slabs with wcr 0.57-0.60
- Herkulit Strö 200 for concrete slabs with wcr 0.54-0.57
- Herkulit Strö 300 for concrete slabs with wcr 0.50-0.54

The recommendations above diminish the risk of surface cracks and lime deposits.

Recommended minimum concrete quality in relation to slump:
Slump < 150 mm concrete quality C28/35
Slump > 150 mm concrete quality C30/37

Herkulit Strö absorbs moisture considerably faster than competing products, which facilitates and ensures a better final result.

Why chose Herkulit dry shake hardener?

- Herkulit Strö is classified as very heavy duty concrete according to EU 206-1.
- Herkulit Strö is self-polishing – the more wear, the better finish.
- Herkulit Strö (light colors) reflects light.
- Herkulit Strö does not attract marks from forklift wheels.
- Herkulit Strö replaces epoxy and polyurethane paint and has better wear resistance.
- Herkulit Strö is applied on freshly laid damp concrete.
- Herkulit Strö contains no metal aggregate and therefore does not rust.
- Herkulit Strö resists grease, some solvents and low alkaline solutions.
- Herkulit Strö is non-slip and easy to maintain.



Abrasion

The hardest attack on concrete comes from abrasion due to wear and tear from cars, machines, forklifts and pedestrians. Independent test results show that Herkulit Top increases wear resistance up to 20 times. See table below according to British Standard (EN/BS 13892-4:2002 and EN/BS 8204-2:2003).

Product	Compressive strength	Tensile strength	Abrasion in mm after 2800 rev (max abrasion)
Herkulit Strö 100 / 100S	85 N/mm ²	8.3 N/mm ²	AR 0.5 (0.01 mm)
Herkulit Strö 200	90 N/mm ²	8.5 N/mm ²	AR 0.5 (0.00 mm)
Herkulit Strö 300	96 N/mm ²	9.1 N/mm ²	AR 0.5 (0.00 mm)

Laying instructions Herkulit Strö:

See separate laying instruction

Aesthetic treatments:

LC RIDER PAD SYSTEM
LC DIAMOND PAD SYSTEM
See separate laying instruction

Suitable for floors in:

- Production and warehouse facilities
- Distribution and logistic centers
- Shops and shopping malls
- Airports, train and bus terminals
- Workshops
- Garages and parking areas

History

Over 23 000 000 m² of concrete floors have been laid over the past 50 years in more than 30 countries. Clients: Volvo, IKEA, Coca Cola, Postnord, among others.



Herkulit® Strö – laying instruction (manually with spreader)

1. Lay the concrete base as evenly as possible. Note that a lower “slump” on the concrete base ensures better bonding and reduces the color differences.
2. Apply Herkulit® when the surface is walkable and the “foot print” is approx. 1 mm. By applying as late as possible, the risk for discoloring is minimized.
3. Power trowel the surface before applying Herkulit® Strö. Thereafter apply approx. 2.0-2.5 kg per m² as evenly as possible, using a spreader. Let the Herkulit® absorb moisture from the concrete base and then power trowel the Herkulit® with a trowel pan.
4. After the second troweling, apply the remaining approx. 2.0-2.5 kg per m² with a spreader as evenly as possible. Let the Herkulit® absorb moisture from the concrete (Herkulit® should absorb moisture in min. 5 minutes and max. 15 minutes).
5. When the Herkulit® has absorbed moisture, power trowel with pans 5-6 times in both directions for best possible flatness and surface finish. Use LC Composite pan for lighter colors. 1200 mm pan increases flatness.
6. Finally power trowel the surface with blades minimum 3-4 times in both directions. Trowel with almost flat blades the first time. Second time with slightly tilted blades. The last time round, leave an opening at the leading edge of the blade at maximum 5 mm.
7. Immediately after the last troweling, treat the concrete for hardening:
 - Water and plastic film for 14 days (100% effective)Where water and plastic film is not practical:
 - Lindolit (84% effective) + water and plastic film for 7 days (100% effective)
 - Where the above does not work: Lindolit (84% effective)

For aesthetic polishing or extended stain protection, see next page.

LC RIDER PAD SYSTEM
LC DIAMOND PAD SYSTEM

Maintenance: We recommend cleaning with Lindec concrete soap in a scrubber-dryer machine, using a red scouring pad.

Concrete base: Recommendations when using Herkulit Strö;

Rekommenderar wcr:

Strö 100 / 100S, wcr 0.57-0.60
Strö 200, wcr 0.54-0.57
Strö 300, wcr 0.50-0.54

Lowest recommended concrete quality in relation to slump:

Slump <150 mm Concrete quality C28/35
Slump >150 mm Concrete quality C30/37

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