

KÖSTER

KÖSTER LF-VL

Solvent free, self leveling flooring

Issued: 5/2021



KÖSTER LF-VL

Application



1. The substrate is prepared by shot blasting. Through this process old coatings, as well as contaminated and unstable concrete surfaces are removed down to a coatable layer.



2. Floors and screeds must also be shot blasted or grinded to roughen the surface and produce an open pored, absorptive surface.



3. Details such as corners and edges have to be prepared by mechanical grinding.



4. When shot blasting is performed with steel abrasive, the surface is cleaned with a magnetic broom. The collected shot can be re-used.



5. To enhance bonding performance all dust and loose particles are removed by vacuum cleaning.



6. Joints and the edges of the work area are taped off to achieve straight edges and to keep the area clean.



7. KÖSTER LF-BM is used as a primer. Substrates with high vapor drive must be sealed with KÖSTER VAP 2000.



8. Broadcast dried silica sand into the wet primer (only when primed with KÖSTER LF-BM) to increase the bond strength of the subsequent layer.



9. After curing, surplus material is removed by vacuum cleaning.



10. The components are mixed for a minimum of 3 minutes with a mechanical stirring device until a homogenous consistency is reached. Follow the mixing procedures given in the Technical Guideline.



11. To avoid defects due to insufficient mixing, re-pot the material and mix again. The KÖSTER Resin Stirrer achieves even results as a mixer attachment.



12. . Apply the LF-VL with a slotted squeegee or trowel in at least one layer. Consumption per mm layer thickness is 1.3 kg per m².



13. After the material has been placed on the prepared substrate, KÖSTER LF-VL can be evenly distributed using a suitable smoothing tool. The material is self-leveling.



14. 4. Immediately after smoothing the material should be de-aired with a spiked roller. Spiked shoes must be worn during application while walking over the fresh material



15. The result is a decorative, visually appealing floor coating. KÖSTER LF VL is characterized by high abrasion resistance and is ideal for industrial and commercial floors.



We are there for you – worldwide.

Technical data

Consistency
Solvents
Components
Mixing ratio
Pot life at + 12 °C / + 23 °C
Density
Color
Application temperature
Temp. difference to dew point
Compressive strength (28 days)
Bending tensile strength (28 days)
Tensile strength (7 days)
(on concrete min. C50/60)
Consumption
Fields of application

Packging
Storage

KÖSTER LF-BM

Epoxy primer for mineral substrates

Approx. 550 mPas (+ 20 °C)
Solvent free
Two components
2 : 1 (A : B)
60 min / 40 min
1.1 g / cm³
Transparent
Min. + 10 °C
Min. + 3 °C
> 60 N / mm²
> 10 N / mm²
> 4 N / mm²

Approx. 0.38 kg / m²
Priming for mineral substrates

25 kg or 6 kg combi-package
At least 12 Months

KÖSTER LF-VL

Self leveling epoxy coating

Approx. 2000 mPas (+ 23 °C)
Solvent free
Two components
5,7 : 1 (A : B)
60 min / 40 min
1.34 g / cm³
Pebble grey
Min. + 10 °C
Min. + 3 °C
> 50 N / mm²
> 12 N / mm²
> 4 N / mm²

Ca. 2.6 kg / m² (2 mm layer thickness)
floor covering for industrial and
commercial uses
26.8 kg or 6.7 kg combi-package
At least 12 Months

// Contact us

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