

***SOLVENT FREE,  
SELF LEVELING FLOORING  
KÖSTER LF-VL***

[www.koster.eu](http://www.koster.eu)





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 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.



10. The components are mixed for a minimum of 3 minutes with a mechanical stirring device until a homogeneous 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.



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.



12. Apply the LF-VL with a slotted squeegee or trowel in two layers. Consumption per mm layer thickness is 1.3 kg per m<sup>2</sup>.



13. KÖSTER LF-VL is a self-leveling material.



14. 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.



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.



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.



#### Technical data

Consistency  
Solvents  
Components  
Solid content  
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  
  
Packaging  
Storage

### KÖSTER LF-BM

*Epoxy primer for mineral substrates*

Approx. 550 mPa\*s (+ 20 °C)  
Solvent free  
Two components  
65%  
2 : 1 (A : B)  
60 min / 40 min  
1.1 g / cm<sup>3</sup>  
Transparent  
Min. + 10 °C  
Min. + 3 °C  
> 60 N / mm<sup>2</sup>  
> 10 N / mm<sup>2</sup>  
> 4 N / mm<sup>2</sup>  
  
0.38 kg / m<sup>2</sup>  
Priming for mineral substrates  
  
25 kg or 6 kg combi-package  
12 Months

### KÖSTER LF-VL

*Self leveling epoxy coating*

Approx. 2000 mPa\*s (+ 20 °C)  
Solvent free  
Two components  
70%  
5.7 : 1 (A : B)  
60 min / 40 min  
1.34 g / cm<sup>3</sup>  
Pebble grey  
Min. + 10 °C  
Min. + 3 °C  
> 50 N / mm<sup>2</sup>  
> 12 N / mm<sup>2</sup>  
> 4 N / mm<sup>2</sup>  
  
2.6 kg / m<sup>2</sup> (2 mm layer thickness)  
floor covering for industrial and commercial uses  
26.8 kg or 6.7 kg combi-package  
12 Months

**KÖSTER**  
Waterproofing Systems

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