

***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

KÖSTER BAUCHEMIE AG | Dieselstraße 3–10 | D-26607 Aurich  
Phone: +49 (4941) 9709-0 | Fax: +49 (4941) 9709-40 | [info@koster.eu](mailto:info@koster.eu) | [www.koster.eu](http://www.koster.eu)