

**KÖSTER**

KÖSTER LF-VL

Solvent free,  
self leveling flooring



# 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 CT 121 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 CT 121) 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 m<sup>2</sup>.



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.





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## Technical data

### KÖSTER CT 121

Epoxy primer for mineral substrates

### KÖSTER LF-VL

Self leveling epoxy coating

Solvents	Solvent free	Solvent free
Components	Two components	Two components
Mixing ratio	2 : 1 (A : B)	5,7 : 1 (A : B)
Pot life at + 12 °C / + 23 °C	60 min	60 min / 40 min
Density	1 g / cm <sup>3</sup>	1.34 g / cm <sup>3</sup>
Color	Transparent	Pebble grey
Application temperature	Min. + 15 °C	Min. + 10 °C
Temp. difference to dew point	Min. + 3 °C	Min. + 3 °C
Compressive strength (28 days)	> 79.1 N / mm <sup>2</sup>	> 50 N / mm <sup>2</sup>
Bending tensile strength (28 days)	> 12 N / mm <sup>2</sup>	> 12 N / mm <sup>2</sup>
Tensile strength (7 days)	> 3.9 N / mm <sup>2</sup>	> 4 N / mm <sup>2</sup>
Consumption	Approx. 0.4 kg / m <sup>2</sup> (0.4 mm layer thickness)	Approx. 2.6 kg / m <sup>2</sup> (2 mm layer thickness)
Fields of application	Priming for mineral substrates	floor covering for industrial and commercial uses
Packaging	25 kg combi-package	26.8 kg or 6.7 kg combi-package
Storage	At least 12 Months	At least 12 Months

## // Contact us

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