



TECHNICAL DATA

CONTACT

KÖSTER
Waterproofing Systems

SELF-LEVELING UNDERLAYMENT KÖSTER SL Flex

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Technical Data

KÖSTER SL Flex

Pot life (DIN EN 16945)	approx. 20 minutes (+ 20 °C)
Application temperature	+ 5 °C - + 30 °C
Bulk density (powder)	1.3 g/ cm ³
Initial set	after approx. 60 min.
Final set	after approx. 120 min.
Compressive strength (28 days)	approx. 30 N / mm ²
Bending tensile strength (28 days)	approx. 10 N / mm ²
Tensile strength (depending on substrate)	up to 3 N / mm ²
Resistant to foot traffic	after approx. 4 hours*
Can be tiled over	after approx. 6 hours*
Trafficable (soft tires)	after 24 hours*
Application of Parquet, Carpet, synthetic flooring	after 48 – 72 hours*
Layer thickness	2 – 15 mm
In depressions up to	30 mm
On smooth surfaces up to	15 mm
Water requirement	5.2 l per bag
Consumption	approx. 1.6 kg powder/ m ² / mm layer thickness

*depending on temperature



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on wooden substrates

over floor heating

on tiled surfaces



SYSTEM STRUCTURE

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KÖSTER SL FLEX



1. Substrate preparation: fastening of loose boards and sealing surface defects



2. Prime with KÖSTER VAP I 06



The result: a fast-setting underlayment that provides a smooth, level surface



3. Application of KÖSTER Glass Fibre Mesh onto the wooden substrate



4. Distribute the material in the desired layer thickness directly after mixing (min. three minutes)



5. When working larger areas use a KÖSTER Gauging Rake to distribute the material



6. Lastly a KÖSTER Spiked Roller is used for de-airing

Important features at a glance:

- excellent bonding characteristics on various surfaces: wood, tile, mastic asphalt, steel, concrete, screed
- early loadable mineral based underlayment for tile surfaces
- high flexibility: accommodates movement in the wooden substrate as well as high point loads
- stabilizes the surface due to its high flexural strength
- can be installed over floor heating
- resistant to foot traffic after approx. 4 hours*
- can be tiled over after approx. 6 hours*
- application of parquet, carpet, synthetic flooring after 48 – 72 hours*
- low viscosity and self-levelling during its pot life
- can be applied in layer thicknesses between 2 and 15 mm, in depressions up to 30 mm
- hardens quickly and tension free
- easy to install
- pump- and pourable

*depending on temperature