



Leveling compound FLC-500

PVAc-Dispersion powder based leveling compound
Contains no solvents, no VOC

Special Features:

- ◆ fiber and synthetic resin reinforced
- ◆ self-leveling – forms even surface
- ◆ suitable on unstable sub floors



Product Benefits

General features:

- fiber reinforced quality for professionals
- contains no solvents or VOC

Installation features:

- easy to spread
- self-leveling
- forms even surface
- levels larger sub floor variations
- quick setting

Long term features:

- superior bond strength
- enables wood flooring installation on unstable or weak sub floors
- resistant against aging
- suitable for radiant heat systems

Products Suitability

On following Sub Floors

- concrete, stone, ceramics, terrazzo
- any unstable or weak sub floor
- old floors to be renovated
- old wood planks
- radiant-heated sub floors

Product Description

STAUFL FLC-500 is a pure PVAc-dispersion powder based, high-strength leveling compound for professional wood flooring installation. It does not contain any solvents or other hazardous materials. It is therefore ozone and environmentally safe.

FLC-500 spreads easily, creates an even surface by itself and levels larger sub floor variations. It allows fast installation and builds the ideal sub floor for any kind of wood flooring installation using water, solvent, urethane or powder based adhesives.

Installation Procedure

Sub Floor Examination:

Prior to proceeding, the sub floor must be checked according to NWFA and NOFMA installation guidelines. It must be solid and sound, flat, permanently dry, clean, free of chaps, indentations and antiadherents as well as resistant to pressure and tension. MOISTURE CONTENT OF CONCRETE SUB FLOORS MUST BE MEASURED BEFORE INSTALLATION. MOISTURE CONTENT MUST BE BELOW 3#/24HRS./1,000 SQ.FT. USING THE CALCIUM CHLORIDE TEST.

Sub Floor Preparation:

Depending on type and condition of sub floor, a **mechanical treatment** (e.g. mechanical brushing, grinding or sanding) is required. Intensity of such work needs to be determined at site. **Dust**, paint, residual adhesives or other surface pollution must be removed by suitable means. We recommend to clean the surface with an industrial **vacuum cleaner**. Cracks and **gaps** must be **filled** with concrete crack filler CCF-30 and floor brackets. To improve the adhesion of leveling compounds the sub floor should be primed with a suitable primer. A primer is generally required on floors with **sub floor heating systems**. *Please refer to our technical information on sub floor preparation.*

Suitable Primers:

- ◆ Eco-Prime AQP-200
- ◆ Solva-Prime SOP-230
- ◆ Power-Prime URP-250
- ◆ Perma-Seal ERP-270

Please refer to our technical data sheets on primers!

Mixing procedure:

Fill 1 $\frac{5}{8}$ gallons clear cold water into bucket. While stirring add a 55 lbs. bag leveling compound well to the water and continue stirring until an even mixture is formed. Use electric stirrer with 600 – 800 rpm. Stir for two more minutes, wait one minute and stir again for one minute.



		Leveling compound FLC-500
<p>Coverage: Approx. 60 sq. ft. per bag per 1/8" thickness</p> <p>Color: light gray</p> <p>Thickness: between 1/8" and 5/8" as is; up to 1" with 25 lbs. silica sand</p> <p>Mixing relation: 55 lbs. powder + 1 5/8 gallon water</p> <p>Pot life: approx. 30 min. at 70 °F</p> <p>Accessible: after approx. 3 hours at 70 °F</p> <p>Drying time: at least 24 hours at 70 °F</p> <p>Room climate at work site Temperature: 40 – 90 °F Relative humidity: 40 – 80 %</p> <p>VOC content: none</p> <p>Flash point: none</p> <p>Weight: 12.62 lbs. per gallon</p> <p>Freeze/thaw stability: not effected by freezing</p> <p>Packaging: 55 lbs. paper bag (42 per pallet)</p> <p>Storage: absolutely dry</p> <p>Shelf life: Approx. 12 months</p> <p>NFPA-ratings: Health = 1 Fire = 0 Reactivity = 0</p> <p>WHMIS-ratings: Health = 1 Fire = 0 Reactivity = 0</p>	<p style="text-align: center;"><u>Installation Procedure contd.</u></p> <p>Install Reinforcement Netting Underlay RNU-610 for increased stability on very weak sub floors prior to leveling. Unroll reinforcement netting and cut to room size. Staple netting to sub floor to prevent floating when pouring leveling compound. Spread the leveling compound within approx. 30 min. Do not pour the compound in one spot but in an area of 6 by 6 feet instead. The self-leveling compound does not need to be leveled mechanically and forms an even surface by itself. Protect the leveling compound from direct sunlight and draft during drying. Do not prime or grind leveling compound.</p> <p style="text-align: center;"><u>After Installation</u></p> <p>Storage: Store bags in a cool and absolutely dry place.</p> <p>Setting Period: Wood flooring installation can usually commence after 24 hours when leveling compound up to 5/8" thick was applied, depending on sub floor condition and room climate.</p> <p>Clean up: Clean tools and equipment with warm water. Add mild soap if necessary.</p> <p style="text-align: center;"><u>Limitations</u></p> <p>Do not level more than 5/8" thick. Do not use on concrete with curing agents or sealers. Do not use on damp sub floors. This leveling compound will not prevent moisture-related damages to wood flooring. When using other than STAUF products in combination with STAUF leveling compounds, we deny any and all responsibility for ensuing problems and/or damages.</p> <p style="text-align: center;"><u>Usage and Accident Information</u></p> <p>General information: Keep away from foodstuff, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and after work. Avoid contact with the eyes and skin.</p> <p>After inhalation: In case of unconsciousness place patient securely on his side for transportation.</p> <p>After skin contact: Immediately wash with water and soap and rinse thoroughly.</p> <p>After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p>After swallowing: Do not induce vomiting; immediately call for medical help.</p> <p>Hazard advice: Irritant to eyes and skin.</p> <p>Safety advice: Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye protection.</p>	

The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used and worksite conditions, STAUF USA Adhesive LLC, will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this technical information sheet all its prior versions become invalid. (V01/2005)