



Technical Information #7

Wood Floor Installations over Stained Concrete

Stauf warrants the performance of SMP-940, PUM-950, and SMP-960 Wood Flooring Adhesives over stained concrete.. Do not use Stauf's M2A-900 and WFR-930 for these jobs.

Remember that an installation is only as good as the sub floor. If there is a poorly bonded sub floor surface (e.g. paint, urethane, stain, etc.), it will not maintain a bond when the wood naturally expands and contracts. That's true for any floor, stained or not.

The following steps must be taken for a successful installation (as they should be with any similar installation where a foreign substance has been applied to the concrete).

1. Follow normal wood flooring installation guidelines from the floor manufacturer and the National Wood Flooring Association (NWFA) for a sound, level, dry sub floor.
2. Since the stain composition is usually unknown (epoxy? water? urethane?), the sub floor surface must be tested for bonding, as follows.
 - a. Glue three (3) boards to the sub floor.
 - b. After 24 hours, begin to remove one board using a claw hammer.
 - i) If it is very difficult or nearly impossible to remove and you tear up the wood or concrete, you have good adhesion and wood flooring can be confidently installed.
 - ii) If it comes up, wait 24 hours and try again.
 - c. After 48 hours, remove the second board using a claw hammer.
 - i) If the 2nd board is so difficult to remove that you tear up the flooring or sub floor, you have good adhesion and can confidently install the flooring.
 - ii) If, however, the 2nd board comes up easily, you cannot glue a wood floor without mechanically treating the concrete (bead blast, sand, grind with buffer, etc.).
 - iii) Lastly, if the 2nd board is difficult to remove but still is not well adhered, wait an additional 24 hours.
 - d. After 72 hours, use a claw hammer to remove the remaining board.
 - i) If after 72 hours the 3rd board is difficult to remove and either splinters or takes up concrete when removed, you now have good adhesion and can confidently install the wood flooring.
 - ii) However, if the flooring still comes off in one piece with a claw hammer, you should not install wood flooring without mechanically treating the sub floor. A chemical reaction is preventing proper adhesion.

If these procedures are followed and the installation still fails, Stauf will warrant the floor according to our normal inspection and warranty procedures.

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