

Sub Floor Examination

Examine concrete sub floor for color, cleanliness, porosity and pre-existing residues PRIOR TO installation.

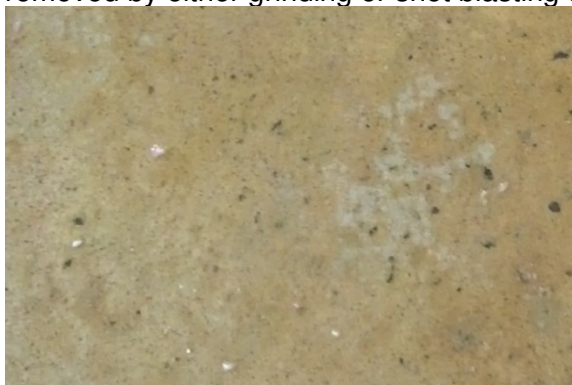
New concrete:

Slab should be free of all construction contaminants such as mud, dirt, curing compounds, paint overspray, dry wall mud, oil, grease, etc. If oil based or chemically treated sweeping compounds were used, slab will be contaminated. Sand or grind until contaminants are removed, then vacuum and damp mop the slab. After installation of sealer, the appearance may not be uniform due to varying degrees of porosity in the slab, which does not affect the degree of moisture remediation.



Existing concrete:

- a) What color is the concrete? Concrete is typically grey in color. If concrete is NOT grey, it is either coated with or contains contaminants. All such contaminants must be completely removed by either grinding or shot blasting until grey in color.



Contaminated Sub Floor



Clean Sub Floor

- b) Any cutback/bitumen/tar/asphalt removal process, whether mechanical or chemical, will leave residues in the capillaries and on top of the concrete. These residues must be completely removed by either grinding or shot blasting until grey in color.



Cutback Residues



Clean Floor after Shot Blasting

Existing Concrete (cont'd):

- c) When is the sub floor considered clean? After vacuuming and tacking, check for dust and particles removal by wiping a white cloth across the surface. Continue vacuuming and tacking until white cloth does not pick up dust or other particles.



Dirt on Sub Floor



Clean Sub Floor

- d) To check to see if a curing compound or sealer is on the concrete surface, place a water drop on the concrete and observe if the water beads. If so, then there is a compound on the concrete that needs to be removed. Remove the compound by grinding or shot blasting, vacuum and tack the floor. Then repeat the water drop test. Absorption should take place within 30-60 seconds.



Non-absorbent Sub Floor



Result of contaminated Sub Floor

- e) For possible organic or inorganic contamination see Technical Information #16

Visit the Stauf web site for more information or call Stauf Technical Services at 901.820.0007.

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