

TECHNICAL DATA SHEET

BONDING ON OLD SCREED (UG 7)

SCREEDS IN RENOVATION WORK:

A large part of today's floor covering work takes place in modernisation or renovation projects. In addition to the different structural conditions (e.g. different heights), some points need to be observed when sticking floor coverings in order to keep the installation risk as low as possible. In this context, in addition to the appropriate selection of adhesives and auxiliaries, substrate testing and evaluation and the resulting substrate preparation play a major role. In addition to the universal testing rules of the trade, various criteria should be given special consideration:

Adhesive residues and levelling compound residues must be largely removed, as these have different properties (e.g. soft, solid, hard, elastic, brittle) and it cannot be predicted with certainty whether the adhesion of the substrate and the inherent strength of these old materials are sufficient for bonding to the surface covering.

Even if a surface covering has not previously been bonded, it is possible that the screed surface has become soiled, e.g. due to plasticiser migration from the surface covering, and that a separating layer has been created which does not permit sufficient adhesion of the installation materials.

PRETREATMENT OPTIONS FOR THE SUBSTRATE:

The preparation of the substrate is of decisive importance when laying a surface covering during renovation work. Due to the different conditions on each construction site, it is necessary to pre-treat each substrate individually. The installer has various

options to choose from:

- ✓ Removal of old covering with stripper.
- ✓ Mechanical cleaning of the screed surface to remove major soiling by means of grinding, milling or other suitable machines with appropriate tool equipment.
- ✓ Removal of light soiling by mechanical brushing.
- ✓ Removal of treatment residues with a powerful industrial vacuum cleaner.

LEVELLING COMPOUNDS IN RENOVATION WORK:

Due to various technical properties, the use of a levelling compound is recommended for these adhesives. The levelling compound acts as a load-distributing layer and provides a very even and absorbent substrate. It thus reduces the mechanical stress on the old substrate and improves the adhesion of the new adhesive to the substrate.

PROCEDURE:

Substrate tests:

- ✓ Check for residual moisture using CM measurement; vapour barrier present?
- ✓ Check type and nature of soiling
- ✓ Check surface condition and strength
- ✓ Check that the surface is smooth and level

Substrate preparation:

- ✓ Remove old covering, adhesive or levelling compound residues from the substrate using suitable measures (e.g. 16 grit sanding, mechanical brushing or milling).
- ✓ Clean the substrate by removing dust and loose particles by vacuuming.

Adhesive system	Dispersion adhesive	Reactive resin adhesive	
		even:	uneven:
Evenness	even/uneven: Levelling compound recommended or generally required	No levelling compound required	Levelling compound required
Primer	STAUF VEP 195 + Quartz sand, WEP 180 + Quartz sand, VDP 130, VDP 160, D 54	STAUF VPU 155 S ¹⁾ , VEP 195 ¹⁾ , WEP 180 ¹⁾ , VDP 130 ¹⁾ , VDP 160 ¹⁾	STAUF VEP-195+ Quartz sand, WEP 180+ Quartz sand, VDP 130, STAUF D 54
Levelling compound	STAUF XP 40, XP 20	--	STAUF XP 40, XP 20
Adhesive	STAUF M2A types	STAUF PUK types, STAUF SMP types, STAUF SPU types	

1) Primer not usually necessary.

Incompletely cleaned substrates should generally be primed with STAUF VEP 195 (sanding required) and filled with STAUF levelling compound. Our technical data sheets should be observed when selecting primers and levelling compounds.

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APPLICABLE ADHESIVE SYSTEMS

	STAUF flooring adhesives ¹⁾	STAUF Dispersion-based wood flooring adhesives	STAUF reactive resin adhesives	Substrate preparation
Textile floorings	✓			Clean substrate well; depending on the condition and requirements, prime and apply filler
Resilient flooring	✓		✓	
Linoleum	✓			
Laminate flooring			✓	
Solid wood flooring		✓	✓	
Multi-layer parquet		✓	✓	
Wood block	Bonding generally not possible			

1) As a rule, a levelling compound is required and recommended for floor coverings.

The information provided above corresponds to the current state of the art. The information is purely indicative and non-binding, since we have no control over the laying process and because the actual laying conditions on site vary. Therefore no claims can be made based on this information. The same is true for the commercial and technical advisory services that are provided without obligation and free of charge. We therefore recommend carrying out sufficient testing of your own in order to determine whether the result is suitable for the intended purpose.