

## INSTALLING PARQUET AND FLOORING ON PLASTERBOARD PANELS (UG 6)

### WHAT ARE PLASTERBOARD PANELS?

This type of floor installation panel consists of a gypsum core encased in special cardboard, and is visually similar to gypsum plasterboard, which is mainly used as finishing panels for walls and ceilings.

Multilayer structure consisting of a compressed gypsum core and a casing made of solid cardboard.

When used in the floor area, a wide range of construction options are available so that various requirements for noise protection or thermal insulation can be met.

The shear strength of gypsum plasterboard is far less than that of a cement screed or a calcium sulphate screed.

### NOTE IN FLOOR CONSTRUCTIONS WITH GYPSUM PLASTERBOARD PANELS:

To accommodate parquet, it is advisable to ask the manufacturer of the gypsum plasterboard for approval for the appropriate floor structure. Some manufacturers approve multilayer parquet for this purpose.

Since gypsum plasterboards are installed exclusively as floating structures, it should be taken into account that when bonded to wood types (e.g. maple, beech) and/or to parquet dimensions (e.g. 10 mm solid parquet, 22 mm finger parquet) which are sensitive to swelling pressure, then strong tension can build up on the parquet top surface, when high swelling pressure (e.g.

high humidity) occurs, which can result in the floor construction welling up.

### INSTALLING PARQUET AND FLOORING ON GYPSUM PLASTERBOARD PANELS:

Gypsum Plasterboard is suitable for resilient or textile floor coverings.

A parquet bonding approved by the plasterboard manufacturer can be achieved with STAUF reactive resin adhesives, but the use of dispersion based parquet adhesives is not possible.

- ✓ The bond attained by the adhesives which we recommend is ensured by carrying out the appropriate substrate preparation, while the inherent strength of the installation panel determines the strength of the bond.

A surface covered with prefab panels forms a relatively even and level surface. The risk of cavities forming during parquet installation is therefore generally much lower than with installation on a cement screed, for example.

Almost all types of floor coverings, and partly multilayer parquet can be laid on gypsum plasterboards, using adhesives from the STAUF range, in accordance with the table below. STAUF adhesive application tables should be taken into account when selecting appropriate types of adhesive.

### APPLICABLE PRIMERS FOR ADHESIVES / FILLERS ON GYPSUM PLASTERBOARD PANELS

|                 | STAUF flooring adhesives | STAUF Reactive resin adhesives | STAUF GS + reinforcement fibres |
|-----------------|--------------------------|--------------------------------|---------------------------------|
| STAUF VDP 130   |                          |                                | ✓                               |
| STAUF VDP 160   |                          |                                | ✓                               |
| STAUF D 54      |                          |                                | ✓                               |
| STAUF VPU 155 S |                          | ✓ <sup>1)</sup>                | ✓ <sup>2)</sup>                 |
| STAUF WEP 180   |                          | ✓ <sup>1)</sup>                | ✓ <sup>2)</sup>                 |
| STAUF VEP 195   |                          | ✓ <sup>1)</sup>                | ✓ <sup>2)</sup>                 |

1) Usually not necessary.

2) in combination with levelling compounds + STAUF quartz sand.

## TECHNICAL DATA SHEET

### APPLICABLE ADHESIVE SYSTEMS

|                     | STAUF flooring adhesives                     | 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 (possibly) apply filler |
| Resilient flooring  | ✓  |  |                                |  |
| Linoleum            | ✓  |  |                                |  |
| Laminate flooring   | Floating installation with STAUF Cold Glue L |  |                                |  |
| Solid wood flooring | Bonding generally not possible               |  |                                |  |
| Multi-layer parquet |  |  | ✓ <sup>2)</sup>                |  |
| Wood block          | Bonding generally not possible               |  |                                |  |

1) STAUF SMP 950, STAUF SMP 930, STAUF Multilayer, STAUF SPU 460.

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.