

## Smart-Step Adhesive

### Fields of application

- For Smartwood Flooring & Heatwood by Smartwood.



### Advantages

- Very low emission (EC1 plus R) according GEV Emission classification (GEV license number 5615/01.01.11 dated 08/12/2014)



- Emission class A+ according to French VOC-Regulation
- Emission tested building product according to DIBt-Guidelines



Emissionsgeprüftes Bauprodukt  
nach DIBt-Grundsätzen

- Elastic curing
- Absorbs footstep noise
- Easy to use
- Water and solvent free
- Very low emissions
- Fast setting characteristics
- Water resistant bond
- Free of isocyanates and silicone oils
- Free of tin compounds

**End strength:** after approx. 48 hours  
(20°C, 50% RH)

### Processing

**Temperature:** +15 to +25°C

**Hardness Shore A:** approx. 68

**Identification:** no identification according to EU regulations required (see our safety data sheet)

### Underground:

The underground must comply with the applicable norms, regulations and guidelines.

The underground must be dry, frost-free, firm, load-bearing, stable, and free from dust, contamination and substances which hinder bonding.

The following norms and brochures are especially recommended: DIN 18356 "Laying of Parquet Flooring", DIN EN 14342 "Parquet and Wood Flooring", TKB Technical Briefing Note "Evaluating and Preparing Undergrounds for Floor Coverings and Parquetry Work", TKB Technical Briefing Note "Installation of Parquet".

Smart-Step 583.5 is suitable on cement screed, wooden chipboard, anhydrite screed as well as on several materials such as metal, concrete, stone, ceramic, etc. In case of doubt or with non-standard undergrounds, a test bonding is recommended.

If the screed is free from dust, the parquet can be directly bonded with Smart-Step 583.5 hard elastic.

### Application techniques

Apply Smart-Step 583.5 completely to the underground using a suitable toothed spatula, avoid globs of adhesive. Install the parquet in the fresh adhesive using a slight sliding movement and firmly tap into place – ensure good and complete wetting on the backside of the parquet.

Installation time is approx. 45-60 minutes.

## Smart-Step Adhesive

- Suitable for laying over under-floor central heating
- Direct installation on conventional undergrounds
- Complies with DIN EN 14293

### Properties of the glue

**Base:** STP

silane terminated polymer

**Density at 20°C:** 1.80 ± 0.05 g/cm<sup>3</sup>

**Color:** beige

**Consistency:** brushable, stable

**Installation time:** approx. 45 - 60 minutes  
(20°C, 50% RH)

**Hardening time:** > 3 mm/24 hours

### Application of the glue:

The best temperature for application is between 15-25°C. Can be walked on after 24 hours, colder temperatures lead to an increase in viscosity and delayed curing. Therefore containers must be acclimatized before processing if necessary.

Do not apply more adhesive than can be processed in 30 minutes.

Immediately lay the parquet on to the fresh glue bed.

The parquet flooring can be further processed after 48 hours.

### Note

Fumed wood, i.e. fumed oak, must be free from ammoniac. Wood with a high content of oil or grease i.e. exotic wood need to be tested for suitability.

The parquet should be acclimated and have a moisture content of 7-11%. Note the following parameters prior to laying:

- Relative humidity max. 65%
- Underground temperature 15°C to 25°C
- Adhesive temperature min. 15°C

### Recommended application quantity:

**Spatula B3:** 800 – 900 g/m<sup>2</sup>

**Spatula B11:** 900 – 1200 g/m<sup>2</sup>

### Cleaning

Traces of uncured Smart-Step 583.5 on tools and laid parquet can be cleaned with Denatured Alcohol.

Cured Smart-Step 583.5 can only be removed mechanically.

### Packaging

**Smart-Step 583.5:**

Bag, 6 kg net

Carton with 3 bags, 18 kg net

### Storage

Smart-Step 583.5 can be stored for approx. 12 months when kept in original packing at 20°C.

### Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations. Our containers are made of recyclable material.