

Smart-Step S-S QW1 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

Maximum Temperature Allowed in Radiant Heat Applications: +70°C

Hardness Shore A: approx. 68

Sound Barrier Properties: IIC & STC reduction up to 72 dB and 74 dB depending on slab/ceiling configuration.

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 S-S QW1 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 S-S QW1 hard elastic.

Application techniques

Apply Smart-Step S-S QW1 completely to the underground using a suitable toothed trowel, 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. Moisture content in concrete sub floors must be below 12#/24h/1,000 sq. ft. using the Calcium Chloride Test or below 95% RH using an in-situ probe per ASTM F1869 and F2170. When used in conjunction with a #12 trowel/blade (up to 35 SF/gal) a moisture barrier of up to 14#/24h/1,000 sq. ft. using the Calcium Chloride Test or up to 95% RH using an in-situ probe may be achieved and is warranted

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/cm³

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.

Note the following parameters prior to laying:

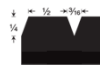
- Relative humidity of substrate max. 95%
- Underground temperature 15°C to 25°C
- Adhesive temperature min. 15°C

Recommended application quantity:

Trowel Notches for Sound Attenuation, Moisture Block & Crack Isolation Smart Clip #12: 105 square feet / tub
FIIC equal to 55.5 on 8 inch slab with no suspended ceiling when used with B3 trowel



Trowel B11: 150 square feet / tub



Cleaning

Traces of uncured Smart-Step S-S QW1 on tools and laid parquet can be cleaned with Denatured Alcohol.

Cured Smart-Step S-S QW1 can only be removed mechanically.

Packaging

Smart-Step S-S QW1:

3.0 gallon tubs

Storage

Smart-Step S-S QW1 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.