

TECHNICAL DATA SHEET

INSTALLING WOOD BLOCK FLOORING (PK 3)

REQUIREMENTS OF WOOD BLOCK FLOORING ADHESIVES

Owing to various properties, wood block makes very high demands on any adhesive suitable for bonding.

The much higher absorbency of the end grain compared to the long grain requires very good wetting properties of an adhesive. The open time must be sufficiently long to guarantee the difficult wetting process over the period of time necessary for the installing procedure.

With regard to the processing properties, good spreadability, in particular, must be guaranteed as this promotes the high installation performance incurred in wood block flooring.

The wood swelling produced by the adhesive must be as low as possible, since wood block has a large degree of isotropic swelling and shrinkage.

The mechanical properties of the adhesive must be adapted to those of the end grain. The adhesive should prevent unhindered swelling and shrinkage of the end grain as far as possible in order to avoid unnecessary gap formation and swelling pressure in the surface, but must also act as a tension-reducing layer in order to avoid overstressing the subfloor.

Wood block adhesives have to be resistant to a number of different influences, especially in the industrial sector, including: Ingress of water, coolants, petrol, oil, strong climatic fluctuations etc.

STAUF RANGE OF INSTALLATION MATERIALS FOR WOOD BLOCK FLOORING

STAUF HPK:

- ✓ Solvent-free dispersion adhesive (GISCODE D 1)
- ✓ EMICODE EC 1 (very low emissions)
- ✓ For soft plastic bonding in GE-type use

STAUF SMP 950:

- ✓ Solvent-free 1-component polymer parquet adhesive
 - ✓ EMICODE EC 1^{Plus} (very low emissions)
- For hard-elastic bonding in RE- and GE-type use

Type of wood block	HPK	SMP 950
RE (DIN 68 702)	-	+
WE (DIN 68 702)	-	+
GE (DIN 68 702)	+	-

STAUF PUK 446:

- Solvent-free 2C polyurethane adhesive (RU1)
- ✓ EMICODE EC 1^{Plus} (very low emissions)
 - ✓ For bonding in RE-type use
 - ✓ Use in combination with STAUF comfort pad

STAUF PUK 455:

- Solvent-free 1C polyurethane adhesive (RU1)
- ✓ EMICODE EC 1^{Plus} (very low emission)
 - ✓ For bonding in RE-type use
 - ✓ Use in combination with STAUF comfort pad

STAUF COMFORT PAD - 2 MM

- ✓ Cork-PUR comfort pad, 2 mm thick
- ✓ Properties: Mechanical decoupling, improvement of walking comfort, improvement of thermal insulation, footfall sound insulation, no shear-resistant or hard adhesion
- ✓ Possible applications: In RE sector

BONDING THE INSULATING UNDERLAY TO THE SUBFLOOR

Subfloor and insulating underlay	PUK 446 PUK 455	SMP 950
	+	on request

POSSIBLE SYSTEM STRUCTURES:

RE

- ✓ Hard-elastic/solvent-free: SMP 950
- ✓ elastic/solvent-free:
PUK 446/455 → comfort pad → PUK 446/455

WE

- ✓ Hard-elastic/solvent-free: SMP 950

GE

- ✓ soft plastic/solvent-free: VEP 195 → Quartz sand → HPK
- ✓ soft plastic/solvent-free: VEP 195 → Quartz sand → XP 40 → HPK
- ✓ soft plastic/solvent-free: VDP 130 → HPK

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 installation process and because the actual installation conditions on site vary. Thus 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.