

PEKASET GB690 ONE PART POLYURETHANE FLEXIBLE PARQUET AND STRIP FLOORING ADHESIVE



Description

Pekaset GB 690 is a single component, low VOC polyurethane-based adhesive exhibiting high tensile strength and adhesive properties. It is a permanently elastic product with good gap-filling properties. It is ideally suited for bonding of engineered and solid woods to concrete floors.

Features

- Suitable for all types of wood floors, engineered woods and parquets
- Fast cure system, floors can be sanded after 18 – 24 hours
- Excellent gap filling properties
- Easy to apply
- No shrinkage on curing
- Non-flammable
- Heat resistant to 120°C
- Excellent sound deadening
- Permanently elastic

Uses

Pekaset GB 690 is specifically designed for bonding solid and engineered wood flooring (strips, long strips, planks, panels, boards) mosaic parquet, industrial parquet, wood paving (residential) as well as chipboards can be bonded. The product may also be used to bond refurbished wood to new floors, tests must be carried out first. Pekaset GB 690 may be safely used on floors exposed to weathering.

Surface preparation

Surfaces must be clean, dry to the touch and free of dust, oil and grease. Moisture content of cement screed must not exceed 5%.

Ensure that bituminous residues are scraped off before installation when installing refurbished old type blocks. New wood does not need any pre-treatment prior to bonding. All screeds should first be primed using Pekay E751J Epoxy 2 Part water-based Primer. Allow drying for 2- 4 hours before installation of wood.

It is imperative that the applicator is thoroughly aware of the relevant section on the following Codes of Practise:

1. The **SABS Code of Practise 043** - "The laying of woodblock floors".
2. The **NBRI Information Sheet DIS 59-234** - "Prevention of rising damp".

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Application

Pekaset GB 690 is applied to the prepared substrate directly from the tin or sausage and uniformly distributed by notched trowel, spatula, nozzle applicator, or putty knife. Press the wood floor elements firmly into the adhesive so that the wood floor underside is sufficiently wetted. Tap with a hammer and an impact block or rubber mallet to ensure adequate contact.

Leave gaps at room perimeters and at any floor wall partition to allow wood flooring to move naturally – follow recommended guidelines from wood floor manufacturer. Use expansion joints for large areas.

Apply adhesive at the rate of approx. 1.5 square metres per litre (1 x 600 ml sausage per square metre) depending on the roughness and porosity of the substrate. Flooring can be safely sanded after 24 hours.

Cord Bonding:

If the adhesive is applied to the planks rather than the floor, the technique of cord bonding can be used. Cord bonding has advantages on uneven floors where more adhesive may need to be applied in low-lying spots. The adhesive should be applied by a closed barrel gun. The nozzle needs to be cut to allow a minimum bead size of 3mm. Adhesive should be applied across the narrow side of the plank (not down the length) at a maximum spacing of 100mm. Apply at a rate not exceeding 1.5 square metres per sausage. After laying, test the bonding by doing a “tap test”, tap the strips to check for hollow spots. If necessary, increase the bead size.

Specifications

Base	: One component moisture curing urethane
Solids content	: 99 +/- 1%
Viscosity	: Thixotropic paste
Colour	: Yellow / Beige
Specific gravity	: 1,3 kg
Pot life	: 90 - 180 minutes at 25°C
Cure time	: 24 - 36 hours (2,5 – 3mm / 24 h)
Shore A hardness	: 40 - 45
Elongation at break	: ± 350%
Solvent/ cleanup	: Pekay C411 (Toluene) Solvent when uncured

General

Application temperature limits	: +10° to 40°C
Service temperature limits	: -40° to + 120°C
Storage temperature limits	: +5° to + 35°C
Shelf life	: Maximum 12 months- in unopened containers. (Maximum 6 hours after opening.)
Packing	: 600ml Foil sausage – 20 per box.
Shipping classification	: Contains Di-Phenylmethane Diisocyanates (2,4 MDI)

Limitations

1. Prolonged contact may cause dermatitis. WEAR RUBBER GLOVES DURING USE.
2. Do not use at temperatures below 10°C and humidity levels below 30%. Curing times are greatly extended below 10°C. Protect from freezing.
3. Do not apply to wet surfaces.
4. Eye splashing must be rinsed immediately with water.

HAZARD LABELLING ACCORDING TO GHS PROTOCOL



R40 - Limited evidence of carcinogenic effect
 R42/43 - May cause skin sensitization by inhalation and skin contact
 S23 - Do not deliberately inhale
 S36 /37 - Wear Suitable Protective clothing
 S45 - If you feel unwell seek medical advice immediately



READ SAFETY DATA SHEET BEFORE USE.

The information contained in this technical data sheet is to the best of our knowledge correct. **NO GUARANTEE IS EXPRESSED OR IMPLIED.**
Users must satisfy themselves as to the efficacy of the product in their application.