



TECHNICAL DATA SHEET

Product: **PU-816 (A+B)**

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KEFREN PU-816 (A+B)

DESCRIPTION

Two component reaction polyurethane adhesive for bonding industrial PVC and rubber (collective kitchens, sports floor coverings, etc.), linoleum in sheet and tile, carpet floor coverings, synthetic grass, outdoor-, sports- flooring, unfinished and factory pre-finished parquet flooring (all wood species). Especially suitable for use onto subfloors of concrete, existing floor tiles, flooring grade plywood and timber. Viscous-hard, resistant to humidity and weathering, very good adhesive properties. For interior and exterior use.

TECHNICAL DATA

Base:	Polyurethane, 2-components, solvent-free.	
Colour:	816-A: Beige.	Hardener 816-B: Brownish.
Mixing ratio (Resin /Hardener)	6:1 (units by weight).	4,2:1 (units by volume).
Density:	Resin 816-A: approx 1,72 g/cm ³ .	Hardener 816-B: approx 1,23 g/cm ³ .
Pot – Life:	Approx 60 min. (20°C).	
Viscosity:	Resin: 3 500 000 mPas (Brookfield LVT). Mixture: 65 000 mPas (Brookfield LVT).	
Consumption	Approx 250 to 800 g/m ² .	
Hardness:	Shore D: approx 75.	
Shear:	180 kg/cm ² @ 20°C - 50 Kg/cm ² @ 70°C. (Aluminium/Aluminium),	
Solvent / cleaning agent:	KEFREN HL solvent.	

PROCESSING

Surfaces preparation: Subfloors must be sound, even, smooth, permanently dry and free from old adhesive residues, dust, grease or other contaminants. When overlaying existing floor coverings ensure that they are firmly bonded and clean. Remove dirt, polish, oil and similar contaminating substances. The surfaces to be bonded must be clean, dry and free of grease.

Adhesive preparation: Resin and hardener must be fixed thoroughly with a stirrer (approx. 400 revs/min) until the mixture shows a uniform beige colour.

Bonding: Apply an even coat over the whole area of a subfloor using a suitable notched trowel (depending on porosity and roughness of the substrate). No open time needed, good initial bond strength is further reinforced during curing. Install the floor covering immediately into the wet adhesive, ensuring full adhesive transfer. Use a rubbing block and/or roller to expel trapped air and ensure good transfer of the adhesive. After 30 minutes, repeat. Wet conditions during installation may lead to foam formation on the surface of the adhesive film. Final bond strength is reached after 24 hours. High temperatures will shorten the curing time, low temperatures will lengthen it.

Precautions. When processing PU-816 avoid direct skin contact with the uncured adhesive. Wear protective gloves. Hazardous fumes may form when the product is heated or sprayed.

Storage. Up to 12 months in the original unopened container stored between +10°C and +30°C.

Packaging. 6 Kg. 816-A + 1Kg. 816-B

The advice who include in this document as well as the verbal information of our Technical Department are correct according to our experience and results in different processes from manufacture, offering itself like collaboration without commitment, since the application and/or use of our products is outside our control. The tests made by our Technical Department do not guarantee the effectiveness of the recommended processes, nor do they exempt to them of its responsibility to verify them in its facilities.

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