



AURO Natural Resin Universal Adhesive No. 380

Use/Properties

Natural latex and natural resin dispersion adhesive. Suitable for bonding in interior applications – of unsealed cork materials (sheet and roll bulk) – of linoleum, linoleum-cork composite laminated materials, cork composite and cork felt board, - of textile floor coverings (tiles and roll bulk), - of natural fibre carpets with jute and natural latex backing, - of ceramic tiles laid by the thin bed method, but not for floors in wet areas (e.g. showerbath). Suitable tiles are ceramic tiles, slabs, natural stone tiles and Solnhof tiles. For use on walls the profile depth on the back of the tile should not exceed 1 mm.

The conditions laid down in DIN 18299, DIN 18352 and DIN 18365 must be observed.

Composition

Water, natural latex, dammar, chalk, calkspar, milk casein, silicate clay, borate, methyl cellulose, orange oil, essential oils .
The information contained in our current full declaration is binding.

Colour hue

White in wet condition, light grey after drying

Drying time in normal climates (20 °C, 60 % relative humidity)

- *Airing time:* materials with good vapour diffusion properties can be laid immediately. Materials with lower vapour diffusion properties (e.g. cork, linoleum or glazed tiles) should be laid after a few minutes. *Laying time:* max. 20 minutes. *Load bearing:* after 36 hours. *Final adhesive power:* after 72 hours.
- Airing, laying and drying time can vary depending on substrates and sorts of material. It is recommended to carry out test bondings.

Density	approx. 1,4 g/cm ³ .	Hazard Classification: not applicable
Viscosity	Pasty	
Thinner	The adhesive should not be thinned. Only if used as primer it can be thinned 1:1 or 1:2 with water.	
Cleaning of utensils	Immediately after use with cold water. If necessary this can be followed by washing with AURO Plant Soap No. 411 and rinsing with clean water.	
Storage stability	Store in tightly closed containers in a cool and dry place, free from frost. Stored in the unopened container the product is stable for approx. 1 year. The consistency can vary because of use of natural raw materials; this has no effect on the adhesive power.	
Packing material	Polyethylene. Empty cans can be recycled.	
Disposal	Dried product residues can be composted or disposed of with domestic waste material. Liquid residues: EAK-Code 200112, EAK-designation: adhesives	
Safety advice	Make provisions for adequate skin protection during use and provide ventilation during drying time. Keep out of reach of children.	

Instructions and safety advice

- The room must be dry and tempered. The covering materials and the utensils should have a minimum temperature of 18 °C. Best application temperature: 18-22 °C.
- Please observe the instructions of the manufacturers of the covering materials.
- Avoid solar radiation, moisture and draught during application.
- The mentioned temperature and humidity values have to be respected until complete drying of the adhesive.
- Air humidity should be at least 50 %, but not exceed 75 %.
- Eventual skin on the product should be removed, not stirred into the adhesive.
- Stir well before and during application.
- Evenly apply to the whole surface. Avoid accumulations of adhesive. Apply just the quantity which can be consumed within the laying time of max. 20 minutes. The adhesive base has still to be moist (finger test) during the gluing process and must not have formed a hard skin.
- Remove adhesive splashes on the covering materials immediately with a sponge and clean water.

Recommendations for Application

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1. SURFACE

1.1 Suitable surfaces

Substrates with laying properties and carrying capacities based on cement, anhydrite, mastic asphalt and magnesia. Also suited for fibre-board and wooden materials, but not in moist areas.

1.2 General requirements for the surface

The surface must be permanently dry, even, clean, pressure-resistant, vibration-free, grease-free, chemically neutral, absorbent and contain no joints or cracks. The substrate moisture should not exceed the equivalent balance moisture at 75 % relative humidity. If necessary substrate moisture has to be measured.

2. APPLICATION

2.1.1 Preparation of the surface

- Uneven surfaces must be levelled off.
- It must be ensured that there is no possibility of occurrence of rising moisture.
- In the case of highly absorbent surfaces carry out preliminary trials to ascertain the drying time.
- Because of the low absorbency of mastic asphalt surfaces, it is essential to set up larger trial areas. A compensating cement screed is recommended.
- Previous coverings, loose residues of adhesives and fillers must be removed completely.
- In the case of plaster surfaces, the surface scale must be removed by grinding or brushing and all traces of dust removed.

2.1.2 Primary treatment

- Check the chemical neutrality of mineral surfaces such as cement screeds.
- No priming is generally necessary on surfaces prepared for laying coverings: highly or unevenly absorbent surfaces and anhydrite screeds can be primed with diluted adhesive. The primer should not form a film on the surface and must be completely dry before applying the adhesive.

2.2 Gluing wall and floor coverings

2.2.1 Gluing cork and cork materials

Lay the cork material onto the adhesive bed and, applying slight pressure, push into place to achieve an exact fit. Apply pressure over the entire surface using a seam roller or a rubber mallet, removing all bubbles. Leave the adhesive layer to air for a short time then roll or hammer again with more pressure. It may be necessary to weigh down any "bowing" floor tiles. Carry out trial laying of cork tiles thicker than 8 mm.

2.2.2 Gluing Linoleum

Flex the linoleum into the adhesive bed, carefully press down over the entire surface and roller off. The underside of the roll must be wetted by the adhesive over its entire surface. Carefully roller down the edges and seams once again about 20 minutes after laying. If required the linoleum can be weighted down (e.g. with small sand sacks) until the adhesive has set.

2.2.3 Gluing textile coverings

Lay the covering onto the adhesive bed without allowing for airing time and fit it into place under light pressure. Roll the covering using, for example, a rubber roller to squeeze out all trapped air. In the case of carpet rolls, cut roughly to size and lay out completely in the room. Apply the adhesive evenly and over the entire surface. Lay the covering onto the adhesive bed without allowing for airing time and, starting in the middle, roller down avoiding folds. In the case of fibres which swell with water, first glue down the covering and only cut to size when the adhesive has completely dried. Alternatively AURO Natural Latex Fixative No. 388* can be used.

2.2.4 Gluing tiles

Tiles can be laid into the adhesive bed without allowing for airing time. Press the tiles well into place, for example with a rubber mallet, and reposition if necessary. Use tile spacers near walls to maintain sufficient clearance. Grouting should not be carried out until the adhesive has achieved its final adhesion strength.

Coverage

Toothed applicator V-shaped	Tooth offset	Approx. consumption	Material	Toothed applicator V-shaped	Tooth offset	Approx. consumption	Material
Cork, cork materials				Linoleum			
Fine A3	1,5 mm	0,3 kg/m ²	Cork materials up to 6 mm	Fine A3	1,5 mm	0,3 kg/m ²	For thinner materials
Fine A2	1,8 mm	0,4 kg/m ²	Cork parquet from 6 mm	Coarse B1	2,7 mm	0,6 kg/m ²	For all thicknesses
Carpets				Tiles			
Fine A3	1,5 mm	0,3 kg/m ²	Coconut, sisal with honey-comb back wool with jute or foam back.	edge length	Tooth offset	Square teeth	Approx. consumption
Fine A2	1,8 mm	0,4 kg/m ²		bis 50 mm	3 mm	C3	0,8 kg/m ²
Coarse B1	2,7 mm	0,6 kg/m ²	Coconut or sisal, with or without natural latex back; wool with natural latex or jute back.	50-108 mm	4 mm	C1	0,9 kg/m ²
				109-200 mm	6 mm	C2	1,0 kg/m ²
				über 200 mm	8 mm	C4	1,1 kg/m ²

* see corresponding technical data sheets.

The information contained in this technical data sheet is the result of many years of research and practical experience. This information is only intended as general advice and does not free the purchaser and user from the need to test the product with regard to suitability for the envisaged application. Therefore this information does not imply any warranty or liability. Consultation of our advisory service does not constitute an advisory contract. This document becomes invalid when a new issue appears. Status: 01.11.2000, first edition.

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