

## TECHNICAL DATA SHEET

# PENOSIL MembraneFix 629

Single-component acrylic polymer-based adhesive is designed for bonding various membranes. The advantage of a membrane adhesive is its bonding to surfaces where other adhesives or tapes fail.

- Adheres to all vapour barrier membranes.
- Forms fully airtight connection.
- Permanently tacky and flexible.
- Colour change indicates curing.
- Non sagging.

### Fields of application

- Bonding vapour barrier membranes, PE, PP, PA film, foil and similar materials to masonry, plaster, gypsum lath walls or wool slabs. This is needed mostly in the connection joints of ceilings and vapour barrier membranes.
- Places where vapour barrier membranes are installed next to another material.
- Adhesive can be used to install and join existing dust protection covers, but it must be taken into account, that the solidified adhesive is hard to remove.

### Adhering

Adheres well to PE, PP, PA, masonry, plaster, gypsum, wood, metal, different vapour barriers

### Application instructions

#### Application conditions

Application temperature between +5 °C and +40 °C.

During the curing process of the adhesive, humidity is released. Therefore, rooms should be sufficiently ventilated to reduce the humidity.

#### Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

#### Application method

When bonding porous surfaces and a vapour barrier membrane, the adhesive should be applied to the surface which is more porous and the vapour barrier membrane pressed tightly to the adhesive. To achieve more rapid immediate bonding, the surface with the spread of adhesive should be allowed to dry until it becomes darker and a tacky film layer forms on the surface. The surfaces may then be connected.

Vapour barrier membranes can also be joined to one another. To do this, contact bonding should be used i.e. the surfaces being bonded should be pressed together and then taken apart. The surfaces can be connected again once the adhesive has become darker and a dry film has formed on the surface. Leave sufficient clearance for the vapour barrier membrane in order to prevent potential stress caused by deformations, which can cause the tearing of the membrane or the adhesive joint.

In the case of a wool slab, a bonding surface can be formed by means of applying a thin, even layer of film on the slab. Once the adhesive becomes darker, tape, vapour barrier membranes and similar materials will stick to it effectively. Final curing of the adhesive takes longer, and such a bonding solution assumes that no (additional) load is imposed on the adhesive joint.

#### Cleaning

Clean the uncured adhesive with water or use PENOSIL Cleaning Wipes. Cured adhesive should be removed mechanically.

## Technical data

Properties	Value	Unit
Basis	Acrylic	
Consistency	Paste	
Density (DIN 53 479-B)	1,05	g/ml
Open time	120	min
Application temperature	+5...+40	°C
Service temperature	-40...+80	°C
Shelf life	24	months

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

## Colour

Light blue.

## Package

290 ml cartridge, 12 pcs in a box.  
400 ml foil package, 28 pcs in a box.  
600 ml foil package, 20 pcs in a box.

## Storage conditions and shelf life

Guaranteed storage time 24 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +30 °C.

## Limitations

- The membrane adhesive is not suitable for bonding elements which are loaded.
- Nor is it suitable for use in areas which are in contact with water.
- It is for internal use only.

## Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment. More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.