

va-Q-vip Floor - Installation Instructions

Vacuum insulation panels (VIPs) must not be exposed to high temperatures and/or aggressive gases during transport, storage or installation. It must also be ensured that no moisture, e.g. rain, gets into the area of the panels.

Permanent moisture above 60% relative humidity and temperatures of more than 80 °C should be avoided. VIPs can withstand temperatures up to 120 °C for a short time (30 min). Mechanical damage to the VIPs, e.g. by sawing, drilling or scratching, must be avoided at all costs.

Before laying, the panels must be visually inspected for any damage. Defective panels must be replaced.

Only the insulation board puren PIR NE50 can be used as a cut-to-size board, e.g. for edge areas and penetrations.

The surface on which the VIPs are applied must be dry, smooth, even and free of edges and burrs. For constructions with VIPs, care must be taken to ensure that they are only subjected to an even, flat pressure load. Point loads as well as tensile and shear loads must be avoided. Substrate preparation, waterproofing measures, protection against moisture and other work must be carried out in accordance to the state of the art or manufacturer's instructions.

The va-Q-vip Floor elements and insulation board puren PIR NE50 must be installed according to the installation plan prepared for the building project.

The va-Q-vip Floor elements are installed as floating floor or glued to the substrate according to the application. Suitable for the bonding are single component adhesives on polyurethane basis (e.g. single component PU adhesive foam) as well as bitumen adhesive masses. The respective manufacturer's instructions for the adhesives must be followed.

Mechanical fixing of the va-Q-vip Floor elements is not allowed. Multi-layer installation requires a secured position of all insulation layers by gluing the insulation layers together. For a secure adhesive bond, the corresponding surfaces must be freed from excessive dust, if necessary.

The va-Q-vip Floor product system has been specially developed for use in floors, flat roofs, balconies and terraces. By using the product system a maximum of insulation performance is achieved with minimum insulation thickness.

It consists of the following system products:

- va-Q-vip Floor Element (vacuum insulation panel with a 17 mm PU insulation board on top and a 3 mm rubber sheet on the bottom)
- Insulation board puren PIR NE50 for cutting to size in the edge area and for penetrations
- Single component PU adhesive for gluing the va-Q-vip Floor elements and insulation board puren PIR NE50
- Aluminium tape for masking joint areas of va-Q-vip Floor elements and puren PIR NE50 insulation board



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