



## **vibrafoam** | **vibradyn** PURASYS PURASYS

Elastic bearings made from polyurethane for  
acoustic and vibration isolation  
in timber construction

THE CLEVER SYMBIOSIS OF BUILDING MATERIALS





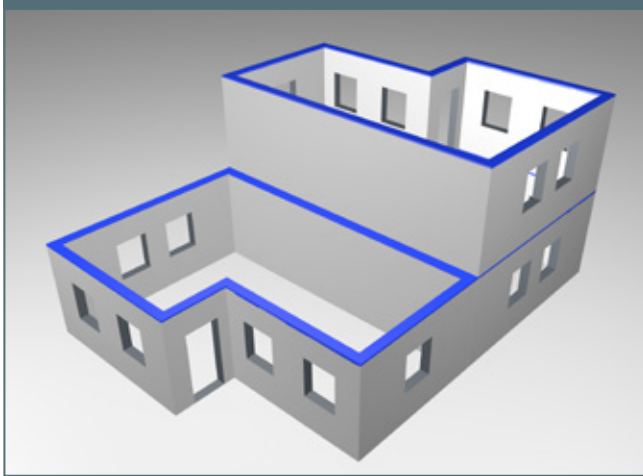
Example: support of flanking components  
with PURASYS **vibrafoam** SD 400

## Symbiosis of different building materials

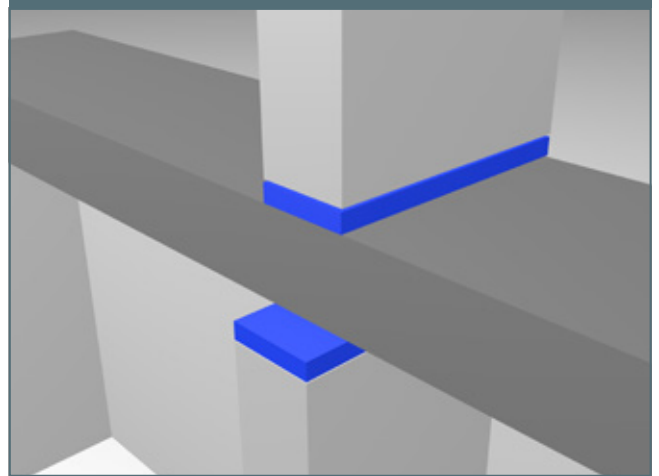
Modern building construction is characterised by a variety of materials that give houses their very special character. Stone, concrete, glass, steel and wood are often reinvented. Wood - although certainly the oldest building material - is far from obsolete, on the contrary, it is currently experiencing a renaissance. This is only possible because the demands that we know from modern solid houses can also be satisfied in timber construction. A modern wooden house is thus miles away from a wooden hut or a shed. High-tech materials such as PURASYS **vibrafoam**/**vibradyn** bearings made of high-quality polyurethane, which combine the optimum of both worlds as a symbiosis of the traditional material wood and a highly developed plastic, also contribute to this.

## Use of PURASYS **vibrafoam**/**vibradyn** in timber construction

### Support of building modules



### Support of flanking components



## Effect of PURASYS **vibrafoam**/**vibradyn**

Wood is becoming increasingly popular as a building material for houses because it is a natural raw material. However, the physical properties of wood, especially its sound conductivity, also require suitable measures to minimize vibration and sound transmission.

Especially at junctions where different materials meet, an increased transmission of sound can be observed.

With PURASYS **vibrafoam**/**vibradyn** it is possible to achieve a high level of sound isolation without great effort.

For this purpose, the individual residential units are separated by placing strips of PURASYS **vibrafoam**/**vibradyn** first on the wooden ceiling and then placing the walls on the storage timbers.

In numerous projects it could be shown that the bearing of the system components with PURASYS **vibrafoam**/**vibradyn** not only creates the impression of a lower sound transmission, but that the improvement can also be measured physically.



Project „Schulpavillon“, Uster/Switzerland: Vibration isolation with three different types of PURASYS **vibrafoam**



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