

Think pure.

● purenit®

purenit –
the economical and versatile functional
material



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purenit is a high-performance PU-based functional material that combines a wealth of outstanding properties in a single product. purenit is:

- moisture resistant
- heat insulating
- rot proof
- mold resistant
- chemical resistant
- pressure-resistant
- dimensionally stable
- light in weight
- easy to work with
- also available in Class C (flame retardant)

Extensive tests confirm: purenit has excellent mechanical properties. The highly compressed material is extremely resistant to pressure, as confirmed by the value 7.1 Mpa (EN 826). For furniture construction or structural elements or as a core material of sandwich constructions, purenit is therefore ideally suited. The bulk density is approx. 550 kg/m³ - so for all its strength, stability and high thermal insulation value, purenit is a real lightweight.

Product info and technical data



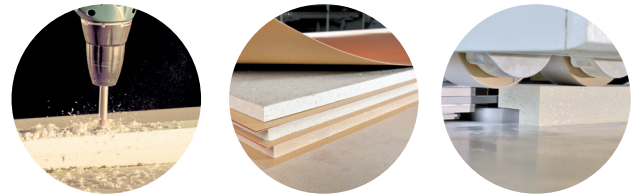
Available formats

Length	2440 mm
Width	1220 mm
Thickness	10, 15, 20, 30, 40, 50, 60 mm

Other formats and thicknesses upon request.

Processing made easy: sawing, milling, drilling, gluing and much more

purenit can be easily processed with standard woodworking tools and machines. Carbide tools support you in this. For screw connections, it is advisable to pre-drill and maintain sufficient edge distance. purenit harmonizes perfectly with 1C or 2C PU adhesives, hotmelt or water-based adhesive systems. Color coatings or paints with common products or systems - even solvent-based - are possible without any problems.



Processing facts

Milling	Effortlessly and accurately with standard woodworking machines.
Drilling	For the predrilling of screwed joints, an An HSS drill is sufficient for pre-drilling.
Saws	Precise and easy to saw. Water jet cutting is also possible. Carbide tools are recommended for longer tool life.
Coating	Practically no restrictions when bonding and coating with other materials. Ideal substrate for laminates.
Gluing	Suitable for processing with all common adhesive systems.
Paint	purenit even tolerates paints and varnishes containing paints and varnishes.



Where wood and wood-based materials reach their limits: The wide range of applications for purenit

Due to its outstanding properties, purenit is used where wood and wood-based materials reach their limits. Thanks to its moisture resistance, purenit is ideal for kitchens, bathrooms, spas and shipbuilding. It is the ideal core material for windows, doors and facades and all other building elements that have to withstand moisture, heat and mechanical stress. At the same time, purenit is lightweight - an enormous advantage in vehicle construction, e.g. for commercial vehicles and campers.



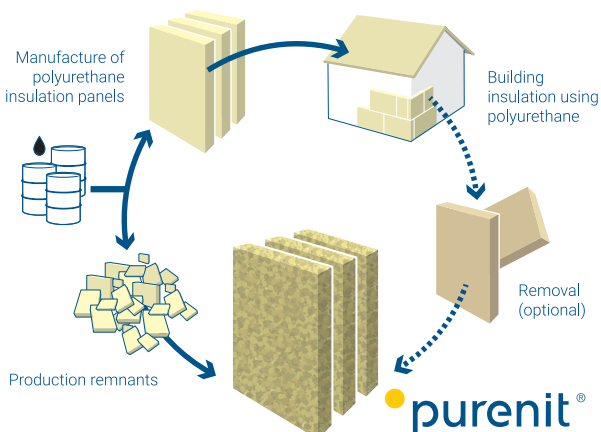
Possible areas of application

- Bathroom, spa and wellness areas
- Furniture construction (e.g. sales counters)
- Shipbuilding (sailboats, cruise ships, yachts, etc.)
- Outdoor kitchens, garden houses
- As a core material for windows and doors
- Components with high stress
- To avoid thermal bridges in buildings
- And much more

Unique worldwide: the sustainable purenit production cycle: circular economy par excellence

Further processing instead of disposal

During the production of PU insulation boards and during further processing on the construction site, material residues are produced. Instead of disposing of these, we turn them into the high-performance functional material purenit. Therefore, we make an important contribution to resource conservation.



Our product film summarizes everything worth knowing about the functional material purenit. Watch it now.

Scan here and
watch our
product film



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Our brochure and information material is intended to provide advice to the best of our knowledge, but the content is not legally binding. We reserve the right to make technical changes. We refer to our general terms and conditions.

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