



binderholz **DENSIFIED BIOFUELS**

binderholz biofuels are synonymous of top quality and top service. For more than 20 years, we have been using 100% of the best domestic sawing by-products (sawdust, shavings and chippings) from sustainable forest cultivation that accumulate in our own sawmills. Manufacturing takes place at the sites in Fügen, Jenbach (Tyrol), St. Georgen, Unternberg (Salzburg) in Austria and in Kösching near Ingolstadt in Germany.

With binderholz biofuels, you use clean and CO₂-neutral heating. A single-family home saves using pellets 5.5 to 6 tonnes of climate-damaging CO₂ compared to a conventional heating oil requirement of about 2,000 litres. Thus, as an environmentally conscious consumer, you contribute actively to climate protection.

Local biofuels guarantee independence from the shortage of the global oil and gas resources, which are exposed to strong price fluctuations that are also caused by higher taxes being charged for them in light of their unclean combustion. The combustion of pellets and briquettes in contrast is clean, as they are manufactured from the renewable material wood and the ash can be used as a valuable garden fertiliser.

Pellets have achieved a significant price advantage compared to traditional energy carriers such as oil, gas, etc. over the past 15 years and they offer price stability.



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Quality makes the decisive difference!

binderholz pellets and briquettes are subjected to continuous internal and external quality controls that guarantee continuously steady top quality. This way, binderholz quality products achieve test results that are far above the requirements of the common standards.

At all sites, binderholz produces according to the exclusive HD technology (www.hd-pellets.de), which optimises the homogeneity of the pellet lengths. This way, the combustion chamber is filled evenly at all times, the emissions are reduced, the mechanical strength is improved and the ash concentration is reduced.

Our pellets are delivered in top quality by the pellets tank lorry in Tyrol and vicinity. We assure a quick and uncomplicated delivery by state-of-the-art silo trucks with integrated calibrated weighing system (on-board weight).

Test results for binderholz pellets	
binderholz spruce-based pellets (Ø 6 mm)	
Heating value	≥ 17,5 MJ/kg = ≥ 4,9 kWh/kg
Water content	≤ 6,4 %
Bulk density	ø 675 kg/m ³
Mechanical strength	≥ 98,8 %
Ash (550 °C)	≤ 0,4 %
Fines	≤ 0,2 %
Ash deformation temperature	≥ 1.465 °C
Upper heating value	≥ 18,9 MJ/kg = ≥ 5,3 kWh/kg
Length optimised pellets HD technology	
Without any chemical additives	
Can be supplied in 15 kg bags (70 bags/throw-away pallet), in bulk or in tankers just in time - clean and convenient, Big bags on request	

Test results for binderholz briquettes	
binderholz spruce-based briquettes (Ø 9 cm)	
Heating value	18,9 MJ/kg = 5,25 kWh/kg
Density	1,2 kg/dm ³
Water content	~ 8 %
Ash	0,2 %
Available in 10 kg packets (100 packets/throw-away pallet)	



You can find a video on **the manufacture of binderholz densified biofuels** at www.binderholz.com/en-us/products/densified-biofuels

Further information on support at www.propellets.at, www.depv.de or www.gse.it

binderholz ■

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