

Eligibility criteria from Mercer Holz GmbH

Industrial wood for pulp production			
Wood species	Pine (including Pinus strobus), Spruce, Fir, Douglas Fir, Larch (as intermixture according to contractual agreements)		
Dimensions	Length	for Mercer Stendal GmbH	2.5 m - 6.0 m
		for Mercer Rosenthal GmbH	2.0 m - 2.5 m
	Diameter (without bark)	diameter at the top	min 70 mm
		diameter at the stem base	max 750 mm
Quality	Permissible	<ul style="list-style-type: none"> • Industrial roundwood • maximum highly friable but commercially usable • maximum highly knotty • branches cut flush from trunk • cut square at the ends of the trunk • Insect damage, blueing, red-striped wood and hard rot 	
	Inadmissible	<ul style="list-style-type: none"> • Extreme warping • Severe soft rot • Soot and foreign bodies in or on the roundwood (e.g. metal, plastic) • roundwood contaminated with radiation 	
<p>Deliveries from former war zones and from military training areas and stands which have verifiably contained foreign bodies in the past shall only be accepted if it can be safely established that the roundwood no longer contains foreign bodies. If an unacceptable quality of roundwood is delivered to the Buyer, the Seller shall bear all consequential costs incurred by the Buyer as a result of the non-contractual delivery (e.g. logistics costs).</p>			



Pallet wood (PAL)		
Wood species	Pine (including Pinus strobus), Spruce, Fir, Douglas Fir, Larch	
Dimensions	Purchase lengths	2.40 m 3.00 m
	Length oversize	10 cm The minimum oversize in length is 1% of the order length.
	Diameter at the top without bark	min 12 cm
	Trunk diameter without bark	max 55 cm
Quality	Wood from fresh felling	
	Grade B/C	<ul style="list-style-type: none"> ● Fresh, straight ● seasonal surface blueing allowed ● fresh bark breeder infestation, without further impairment of quality is approved ● hatchet- and nail resistant rot (minor rot stains) ● single string curvature: thickness class 1a-2a: max 1.5cm / running meter thickness class 2b+: max 2.0 cm / running meter
	Grade D	<ul style="list-style-type: none"> ● strongly blued wood ● older beetle wood, stem-dry wood without deep mantle cracks ● if root and branch runs are not cut off ● single string curvature: thickness class 1a-2a: >1.5 - 2.0 cm / running meter thickness class 2b+: >2.0 - 2.5 cm / running meter
	NSF (FH / FE / ÜS)	<ul style="list-style-type: none"> ● Exceeding or falling below the specified dimensions (top, stick, length) ● Soft rot, red streak ● deep mantle cracks ● fragile, storage damage ● wood-dwelling insects ● tops from scrap wood, strong branched pieces ● resin tapping wounds, browsing damage ● uneven curvature: thickness class 1a - 2a: >2.0 cm / running meter thickness class 2b+: > 2.5 cm / running meter ● ferrous ood



Long wood sections (LAS)			
The eligibility criteria only specify the contractually agreed assortments/timber species, qualities and lengths/dimensions. With regard to the type of wood, qualities and lengths/dimensions, the purchase contract is always decisive.			
Wood species	Pine, spruce, fir, Douglas fir		
Dimensions	Purchase lengths	for Mercer Timber Products GmbH	preferred length: 5,00 m 4.00 m (only pine/spruce)
		for Mercer Torgau GmbH & Co. KG	3.60 m (4.00 m upon agreement)
	Length oversize	for Mercer Timber Products GmbH and Mercer Torgau GmbH & Co. KG	min 10 cm, max 20 cm The minimum oversize in length is 1% of the order length.
	Diameter at the top without bark	for Mercer Timber Products GmbH and Mercer Torgau GmbH & Co. KG	min 13 cm (pine, Douglas fir) min 12 cm (spruce / fir)
	Trunk diameter without bark	for Mercer Timber Products GmbH and for Mercer Torgau GmbH & Co. KG	max 55 cm
Quality	<i>Spruce (Picea abies) / Fir (Abies alba)</i>		
	B	<ul style="list-style-type: none"> ● fresh, healthy, straight ● single string curvature: 1a-1b: ≤ 1.0 cm/m; 2a-3a: ≤ 1.0 cm/m; 3b+: ≤ 1.5 cm/m ● Diameter decline: 1a-1b: ≤ 1.0 cm/m; 2a-3a: ≤ 1.2 cm/m; 3b+: ≤ 1.7 cm/m ● healthy branches, no grown together branches (≤4cm) ● Infestation with bark brooding beetles: freshly drilled in, no worm grooves, bark is still firm on the trunk, wood is not yet discolored 	
	C	<ul style="list-style-type: none"> ● fresh, healthy, straight ● small hard septic spots in the outer wooden mantle of the root inlets allowed (max. 15% of the diameter) ● single-string curvature: 1a-1b: ≤ 1.3 cm / m; 2a-3a: ≤ 2.0 cm / m; 3b+: ≤ 2.0 cm / m ● Diameter decline: 1a-1b: ≤ 1.5 cm / m; 2a-3a: ≤ 1.7 cm / m; 3b+: ≤ 2.6 cm / m ● healthy branches, no grown together branches ≤ 8 cm; rotten branches ≤ 4cm, bumps ● incipient superficial discoloration with intact bark permitted ● core cracks ≤ ½ diameter 	
	KH	<ul style="list-style-type: none"> ● infestation with bark brooding beetles, fresh, incipient superficial 	



	<p>staining (blue stain)</p> <ul style="list-style-type: none"> Worm grooves visible, largely intact bark no wood-destroying harmful insects (longhorn beetle / horntail / lineatus / etc .) Other features such as quality C
D	<ul style="list-style-type: none"> all wood which does not meet the above mentioned requirements, but is 100% sawable, as well as axe- and nail-resistant Single-string curvature: 1a-1b: ≤ 1.5 cm / m; 2a-3a: ≤ 2.5 cm / m; 3b +: ≤ 3.0 cm / m Diameter decline: unlimited core cracks / dry cracks, $> \frac{1}{2}$ diameter no visible fiber fractures and cracks Rust stripes, lineatus infestation
FH	<p>non-sawable wood:</p> <ul style="list-style-type: none"> wood that is below the required minimum length, minimum top diameter, as well as different tree species deep cracks in the wood body, soft rotten wood infestation with wood-destroying insects (longhorn beetle / horntail etc.) uneven curvature, extreme deformity, heavily branched top pieces
FE	<p>wood containing iron:</p> <ul style="list-style-type: none"> metalliferous, contaminated wood
ÜS	<p>overstrength</p> <ul style="list-style-type: none"> wood that exceeds the max. trunk and / or max. top diameter
<p><i>Pine (Pinus sylvestris) (Larch / Douglas fir)</i></p>	
B	<ul style="list-style-type: none"> fresh, healthy, straight single-stringed curvature: 1a-1b: ≤ 1.0 cm/m; 2a-3a: ≤ 1.0 cm/m; 3b +: ≤ 1.5 cm/m Diameter decline: 1a-1b: ≤ 0.8 cm/m; 2a-3a: ≤ 1.1 cm/m; 3b +: ≤ 1.6 cm/m normal, healthy knots, no grown together branches (≤ 5 cm)
C	<ul style="list-style-type: none"> fresh, healthy, straight small hard septic spots in the outer wooden mantle of the root inlets allowed (max. 15% of the diameter) Single-stringed curvature: 1a-1b: ≤ 1.3 cm/m; 2a-3a: ≤ 2.0 cm/m; 3b +: ≤ 2.0 cm/m Diameter decline: 1a-1b: ≤ 1.1 cm/m; 2a-3a: ≤ 1.5 cm/m; 3b +: ≤ 2.3 cm/m healthy knots, no grown together branches ≤ 8 cm; rotten branches ≤ 5cm, bumps beginning surface discoloration acceptable Core cracks $\leq \frac{1}{2}$ diameter
D	<ul style="list-style-type: none"> all wood does not meet the above mentioned requirements, but is 100% sawable, as well as ax- and nail-resistant Single-stringed curvature: 1a-1b: ≤ 1.5 cm / m ; 2a-3a: ≤ 2.5cm / m; 3b +: ≤ 3.0 cm / m Diameter decline: unlimited



		<ul style="list-style-type: none"> • core cracks / dry cracks, > ½ diameter • no visible fiber cracks and breaks • Infestation with bark brooding beetles, wood grooves can be detected
	FH	<ul style="list-style-type: none"> • wood that is below the required minimum length, minimum top diameter, as well as different tree species • deep cracks in the wood body, soft rotten wood • infestation with wood-destroying insects (longhorn beetle / horntail etc.) • uneven curvature, extreme deformity, heavily branched top pieces
	FE	<p>wood containing iron:</p> <ul style="list-style-type: none"> • metalliferous, contaminated wood
	ÜS	<p>overstrength</p> <ul style="list-style-type: none"> • wood that exceeds the max. trunk and / or max. top diameter



Pile wood (PFAHL)		
Wood species	Pine, spruce, fir, Douglas fir	
Dimensions	Purchase lengths	2.50 m, 3.00 m, 4.00 m und 5.00 m
	Length oversize	min 10 cm, max 20 cm The minimum oversize in length is 1% of the order length.
	Diameter at the top without bark	min 6 cm (preferred range 6-10cm)
	Trunk diameter without bark	14 cm
Quality	Wood from fresh felling	
	B/C stake wood	<ul style="list-style-type: none"> • Fresh, healthy, straight • seasonal surface blueing allowed • fresh bark breeder infestation, without further impairment of quality is approved • finely branched, no strong knots and knot clustering • single-stringed curvature: up to 1,0cm / running meter
	FH / FE / ÜS wood	<ul style="list-style-type: none"> • Exceeding or falling below the specified dimensions (top, stick, length) • uneven curvature • Rot • blued, overlaid and crumbling wood • wood-dwelling insects (z.B. lineatus , onghorn beetle, sires species) • deep mantle cracks • poorly delimbed pieces, top part of old growth trees • metal inclusions and other contaminations

Deviating tree species are all tree species which are not explicitly mentioned in the purchase contract as delivery assortment.

Deviating order lengths are all lengths that are not named as delivery lengths in the purchase contract.



Wood chips for pulp production						
Wood species	Pine (including Pinus strobus), Spruce, Fir, Douglas Fir, Larch					
Dimensions	Length	28 mm +/- 5 mm				
	Wide	25 mm +/- 3 mm				
	Thickness	6 mm +/- 1 mm in radial direction				
Fraction						
Fraction name			Target fraction value	Tolerance limit	Payment limit	Rejection limit
			[%/t admtd]	[%/t admtd]	[%/t admtd]	[%/t lutro]
F1	Oversized fraction	Hole diameter 45.0 mm	< 1	2	> 2	≥ 4
F2	Coarse fraction	Bar spacing 8 mm	< 10	10	> 10	≥ 15
F3/1	Desired fraction 1	Hole diameter 13.0 mm ± 0.1 mm	> 60	-	-	-
F3/2	Desired fraction 2	Hole diameter 7.0 mm ± 0.1 mm	< 20	-	-	-
F4	Fine fraction	Hole diameter 3.0 mm ± 0.1 mm	< 6	8	> 8	≥ 15
F5	Sieved sawdust		< 1	< 2	> 8	≥ 2
	Bark		< 1	< 2	-	≥ 2 3 in winter (1.12.- 28.2)
Quality	Wood chips should be: <ul style="list-style-type: none"> of healthy roundwood completely free of bark and fungus diagonally chopped (chipper and counter knives must be sharpened at sufficient intervals and correctly adjusted) and 					



	<ul style="list-style-type: none">● sieved (fine and oversized/coarse product) <p>The following shall not be accepted:</p> <ul style="list-style-type: none">● Loose bark pieces● wood shavings● frame saw logs● log profiling wool● dried timber and foreign bodies in and around the wood chips (e.g. metal parts, stones, snow, ashes, plastic, etc.)● Wood chips which have been exposed to radiation shall also be unacceptable.
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