

Characteristic strength values of South African Pine and European Spruce

This comparison has been prepared by SATAS in cooperation with Czech Timber Institute, who was also responsible for the laboratory tests. Spruce imported to South Africa by HWZ International SA is the first Spruce which has been certified according to SANS.

Results has been presented by Abe Stears (SATAS) during the 7th Wood Conference in Cape Town (February 28th 2017)



SA PINE VERSUS SPRUCE

CHARACTERISTIC STRENGTH

	G	Bend <i>P_b</i>	Tens <i>p_t</i>	Tens <i>p_{tp}</i>	Comp <i>p_{cy}</i>	Comp <i>p_{cp}</i>	Shear <i>p_s</i>	MOE mean
Spruce EN338	C24	24	14	0.4	21	2.5	4.0	11000
Spruce Test	C24					5,43 6,38		
SA Pine 10163	S5	11.5	6.7	0.35	17.9	4.7	1.6	7800
SA Pine 10163	S7	15.7	10	0.5	22.8	6.7	2	9600

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