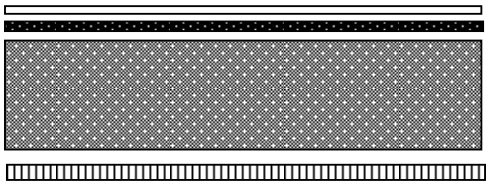
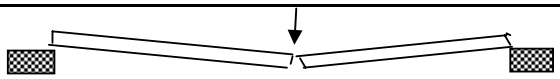
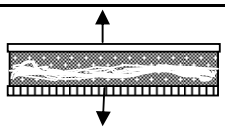
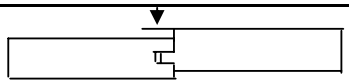
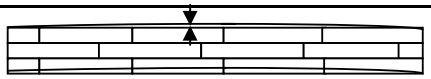
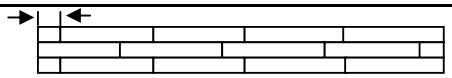
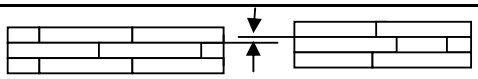
Technical Date Sheet for Sennorwell laminate flooring						
Residential application			Commercial and public applications			
21 Moderate	22 General	23 Heavy	31 Moderate	32 General	33 Heavy	
						
Classification according to EN 13329						
laboratory tests						
Test criteria	Nomal values		Description			
Abrasion resistance (EN13329)	EN 13329		Evaluation of the abrasion resistance of the surface by means of the abrasion test(cycle 200 rev, sandpaper S-42, IP value => AC class)			
	NOML	ACTL				
	AC4	complied with				
Impact test (EN 13329)	IC2	complied with	Result from falling-ball and impact tests.With >1400 mm and 12-19 N.the result corresponds to impact calss IC2 and permits a level of use up to class 32.			
Thickness swelling of flooring board edge (EN13329)	18%	complied with	Swelling of flooring board edge due to temporary moisture influencce;maximum permissible swelling which is not expected to cause any damage in the field.Up to 18% a calssification in all levels of use is possible.			
Resistance to staining (EN 438-2,15)	very low	complied with	Change in gloss/colour under the influence of substances and chemicals normally found in households.			
Resistance to cigarette burns (EN 438-2,18)	Grade 4	complied with	Change in gloss/colour under the influence of a burning cigaratte placed on the flooring surface.			
Effect of a castor chair (EN 425)	no change	suitable	Behaviour when subjected to a permanent load from a loaded office chair with suitable castors(type W)			
Effect of a furnture leg (EN 424)	no change	suitable	Effects of moving a loaded furnture leg across the flooring surface.			
Resistance to scratching (EN 433, residual indentation)	–	suitable	Behaviour when subjected to scratching;greatest weight force under which an edged tip(diamond) which is drawn across the surface lesves an only just visible marking.			
Indentation hardness (EN 433, residual indentation)	not visible	complied with	Resistance of a surface against remaining imprints from loaded. Samll surface areas (stilletto heels)			
Formaldehyde test (EN 717-1)	–	<0.05ppm	Quantity of formadehyde emission into the ambient air("Blue Anger" environmental label).			
Heat transfer resistance (DIN4108)	–	suitable	Thermal conductivity value;good conductity recommended for underfloor heating(limit value max. 0.15m2K/W),low conducitity (insulation) for "foot-cold" floors			
Slip resistance/u-value	–	suitable	A quantity detemined by the triction partners(i.e. heel and floor). Specifying the slip resistance for walking;with common heels the laminate floor is classified as(very) sate.			
Light fastness grey scate (EN 20105-A02)	Level 4	complied with	Change in gloss/colour under intensive exposure to light(e.g. sunlight)			
Fire behaviour (DIN 4102)	–	B1	Hardly flammable surfaces according to DIN 4102 (B1) are required in areas such as emergency escapes.etc.			

Yekalon Sennorwell laminate flooring- Production Engineering

Technical Date Sheet for Sennorwell laminate flooring			
Construction			
Decorative /wear layer	0.3mm		
core layer	7.8mm		
Balance backing	0.2mm		
Total thickness		8.3mm	
Surface layer dim		193mm*1210mm	
Corelayer			
Quality criteria	NOML value	ACTL value	Symbol
Bending strength in N/mm2 acc. To EN310	—	>40N/mm2	
Delamination strength in N/mm2 acc. To EN 311	min 1.0 N/mm2	>1.2N/mm2	
Tensile stransverse direction in N/mm2 acc. To EN 319	—	>2.3N/mm2	
Ready to install plank			
Tolerance criteria	NOML value	ACTL value	Symbol
Length	+/-0.5 mm	+/-0.5 mm	
Width	+/-0.1mm	+/-0.1mm	
Deviation from squareness	max.0.2mm	max0.1mm	
Height difference between elements(rasied edges)	max.0.1mm	max.0.1mm	
Straightness of surface layer(sickle-shaped warping)	max.0.4mm	max.0.2mm	
Pattern offset with strip patterns, longitudinal	—	min.80mm	
Pattern offset with strip patterns, transverse	—	max.5mm	

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