



AnTEAK



Macore



Golden Oak



Black Cherry



Stripe Douglas



Light Oak



Rustic Oak



Winchester



Walnut



Mountain Pine

profiles are produced from plastic packages sourced from nutrition industry. Raw material is thermo-treated to eliminate the organic material and extruded into various profiles.

mainly composed of HDPE, LDPE, PP and PS.

## Mechanical properties

1. Flexural properties	EN 408	Flexural modulus (N/mm <sup>2</sup> )	
		o -50°C	1843
		o 22°C	795
		o 60°C	452
2. Density		0,75 g/cm <sup>3</sup>	
3. Linear expansion		0,069 mm/m/°C	
4. Flammability class	ISO 13501-1	E	
5. UV-impairment	ASTM G154	ΔE= 1,1 (no damage)*	
6. Water absorption	ISO 62	0,17 %	
7. Sound isolation	EN 1793-2	B3	
8. Resistance to chemicals		o White spirit	No damage
		o Lighter fluid	No damage
		o Bleach	No damage
		o Hot baking oil	No damage
9. Toxicity report		Non toxic	

## UV-Impairment

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UV-Tests were carried out under standard conditions (ASTM G154) over a period of time correlating to approx. 10 years of natural sunlight.  $\Delta E$  indicates the change in color-coordinates ( $L^*$ ,  $a^*$ ,  $b^*$ ).

## Linear expansion

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Due to temperature fluctuations material will experience minimal expansion and contraction accordingly.

Simply – when temperature rises 1°C Decking boards expands 0,069mm per 1m.

Following table is useful when installing

Installing temperature	0°C	10°C	20°C	30°C	40°C	50°C
Space to leave per 1m	5mm	4mm	3mm	2mm	1,5mm	1mm

## Workability

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profiles are very easy to work with – they can be sawn, cut, nail and staple. holds screw and nail connections even better than wood, especially in wet environment.

Drilling with low speed and lead-holes are advised.

material does not absorb moisture or dirt, therefore regular water is sufficient for cleaning for most cases. If needed, conventional cleaning chemicals can be used.