# Specification finger jointed products

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For finger jointed black locust products the following properties and criteria are applied. Those specifications are recognized by acceptance of the material.

## Wood specific properties

| | |
|---|---|
| Species | robinia pseudoacacia L. |
| Colour | yellowish to brownish, darken to copper brown |
| Apparent density | *mean apparent density* 0,70--*0,79*--0,85 g/cm3 |
| Resistance DIN EN 350-2 | class 1-2 |
| Dimension stability | good |
| Speed of moisture equilibrium | very low |
| Others | water soluble contents |

## Wood preservation

Even black locust is classified by EN 350-1 and EN 350-2 to durability class 1-2 (durable to very durable), wood preservation must be considered. To obtain the longest possible life time, the basic criteria of structural wood preservation should be regarded. Accumulation of water on or at the timber surface should be avoided. Sufficient air circulation must be enabled.

Preservative treatments like fungi preservation or impregnation are neither necessary nor desired by the ecological background.

## Application

Finger jointed black locust should be applied mainly for non-structural utilization. Any application in structural use in terms of DIN 1052 can not be authorized because on legal grounds.

## Static

For application of fingerjointed black locust a sufficient static must always be regarded. For terrace planks or similar loaded construction a sufficient dense distance of substructure has to be used. Recommended are about 40-50 cm, a fixation in at least 3 points is reasonable. To avoid cracking of wood or fixtures, pre-drilling for screwing is urgently recommended.

## Technical Properties

| | |
|---|---|
| Moisture: | 16 ± 2 % |
| Characteristic bending strength: | 30 N/mm² (as far as not declared separate) |
| Strength class by EN 338: | meet the requirements of D30 (as far as not declared separate) |

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## Finger jointing specific properties

| | |
|---|---|
| Tip gap: | 0,3 - 1mm (dependent on type of product) |
| Orientation of finger joints: | edgewise (fingers visible at broadside) |

## Quality check

The manufacturing of finger jointed products takes place according to EN 385. Due to the implementation of an internal quality and strength control system, a constant quality can be assured.