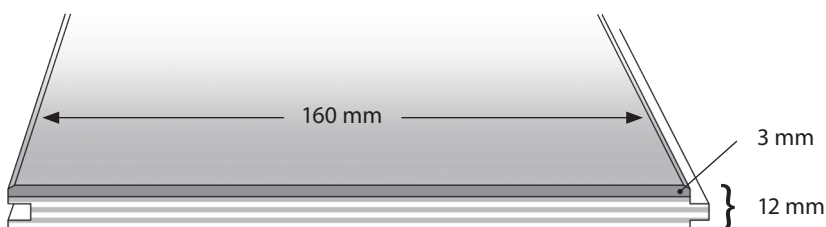# HKS Krügers 12 mm, oak

Type/Construction	1 strip plank engineered flooring in 2 layer construction, approx. 3 mm top layer oak on birch plywood, WBP glued
Dimensions	12/3 x 160 mm
Lengths	random lengths 600 – 2.000 / 2.400 mm; system-packaging; 8 layers per bundle (6-2-0)
Packaging	shrinking foil, end cap, maintenance and installing instructions included
Profile	all around tongue and groove, longside beveled (GO2)
Surfaces	Pure, Honey, Cacao, Espresso, Crema, Macchiato, Milk, Caramel, Sugar, Original, Natural
Production	according to EN 13489
Grading*	According to the quality description of the manufacturer. Inside this grades it is allowed: **ABCD grade**: sound knots, filled knots, smaller cracks, filled cracks in the surface, rarely cracks in the filler, vivid structure, natural differences in colour, sapwood up to ¼ of the width, other wood typical characteristics. **AB grade**: sound knots up to 10 mm, filled knots up to 3 mm, minor hairline cracks, natural differences in colour.
Installation	glueing down on concrete or floating installation on Elastilon Lock; always according to the instructions of the manufacturer (glue, Elastilon, etc.)
Maintenance	depending on use with suitable maintenance products
Underfloor heating	possible when glued down on concrete only with warm water system, no electric heating systems, surface temperature max. 29° C with equal heating, heat conductivity 0,17 W (m k); thermal resistance 0,071 m^2 K/W
Fire resistance	D_{fl}-s1
Labelling	CE; A+; FSC on request
Hints	Wooden floorings are a natural product, due to climate conditions joints can occur in winter and the planks can swell in summer. Therefore an expansion gap to the walls of min. 15 mm is necessary. According to the behaviour of the planks the customer must be advised.

160 mm

3 mm

12 mm

*According to the factory standard, 3% clause to EN standard, max. 3% of the complete delivery including the cutting differences can differ from the grading description. The material must be checked before installation, claims after the installation are impossible.