



KAINDL

BOARDS. FLOORS. IDEAS.

Oak **Volcano**

Typical features and characteristics



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Oak Volcano | Smoked Oak

Veneer thickness 0.6 mm

Appearance

Smoked oak is oak with modified colour. The wood is exposed to ammonia or ammonia solution (ammonia water) fumes during "smoking". The wood changes colour (darkens) and turns brown to dark brown or black. Natural colour variations are retained. The intensity of the colour depends on the substances (including tannic acid) in the respective oak stem; the colour is therefore difficult to control or to predict. Our native, European oak species (common oak and sessile oak) are particularly suitable for the smoking process, as they have a high tannin content.

Colour Variations



Technique

The common factor between modern methods is that they are operated on an industrial scale. The goal is for the oak veneer produced from the same stem to have the same colour (heart smoking). A differentiation can be made between processes that operate under normal pressure and those that operate with the aid of a vacuum. The latter usually shortens the smoking time and leads to darker colours. After smoking, the finished veneer is flashed off. For further processing, the veneer must be flashed off so that the unbonded fractions of the ammonia are removed from the wood. The dark colour of smoked oak is more stable in UV light than natural wood. The colour spectrum of smoked oak ranges from medium brown to deep black. If a specific colour standard exists for a panel order, the customer must clearly define this before placing an order. Subsequent colour-related complaints will not be recognised.

Gluing: Standard - black glue, transparent glue is available on request.