



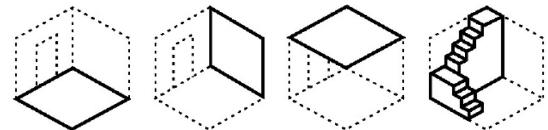
## Technical Data Sheet

Version 2.0

RECM2155

Ravine

Relik



### Specification

Pattern	Plank
Construction	Multi-layered engineered
Top Layer Specie	Pine ( <i>Pinus sylvestris</i> )
Surface Process	Original surface
Finish	Unfinished
Connection System	Tongue & groove
Edge Profile	Reclaimed edge
Backing	Eucalyptus plywood ( <i>Eucalyptus grandis</i> )
Wear Layer Thickness	4mm
Total Thickness	15mm
Width	100-230mm
Length	400-2200mm <small>(May include up to 25% shorter boards)</small>
Pack Size	Various
Grade	Rustic

#### Key

\* Subject to compatible subfloor and correct installation (see Installation Guidelines) including sensors.

# Temperature of top-face must never be allowed to exceed 27°C. UFH protocol to control temperature conditions is recommended.

## Installation Methods

Fully Bonded	Yes* (recommended)
Nailed/Screwed	No
Floated on Underlay	Yes*
Over Underfloor Heating	Yes*# (please ask for our technical guidelines)

All Havwoods floor must be installed by a competent installer who will have the necessary skills and take individual site circumstances into account. Havwoods warranty will apply only to floors which have been installed by a competent flooring installer comparable to BS8201 in the UK or equivalent standards worldwide.

## Grading Criteria

Sound Knots	Allowed without limit
Broken Knots	Up to 50mm Ø allowed
Filled Defects	Allowed
Heat/Pith	Not Allowed
Sapwood	Allowed
End Checks	Allowed
Insect Damage	Not allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	Allowed
Modullary Rays	Allowed

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. To allow for unavoidable variations in the material characteristics, 3% of materials may vary from the stated range.

## Technical Criteria

Origin	Asia
Janka Hardness Rating	540 lbf (2,420 N)
Formaldehyde Emissions	E1 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1)
Thermal Conductivity	$\lambda$ 0.18 W/m K (EN 12664)



# HAVWOODS

**For More Information  
Contact Our Experienced Team:**

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Comprehensive maintenance instructions and materials are available from Havwoods for all floors.



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