

## TECHNICAL DATA SHEET

### MG13/1640/180 Grove

#### Magna

USAGE: (SEE HAVWOODS QUICK REFERENCE GUIDE TO CHOOSING THE CORRECT FLOOR).



#### PRODUCT DETAILS

<b>Product Code</b>	MG13/1640/180
<b>Product Range</b>	Magna
<b>Construction</b>	Engineered
<b>Specie</b>	European Oak
<b>Pattern</b>	1-Strip
<b>Process</b>	Smoked
<b>Finish</b>	Oiled
<b>Profile</b>	Tongue & Groove
<b>Edge Profile</b>	2-Sided Bevelled Edge
<b>Top Layer</b>	4mm European Oak
<b>Backing</b>	Birch Plywood (Additional 1mm magnetic backing included)
<b>Thickness</b>	14mm (1/2")
<b>Width</b>	180mm (7 1/8")
<b>Length</b>	1950-2400mm± (76 3/4" - 94 1/2")
<b>Pack Size</b>	()
<b>Grade</b>	Character
<b>Maintenance</b>	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

#### INSTALLATION METHODS

Ensure steel surface on raised access floor is clean from debris and dust to get maximum magnetic bond before laying random planks. Boards can be cut with a cross cutting saw blade, manual or powered.

#### REMOVAL METHODS

To remove the boards for access, use a suction cup tool. Apply a small amount of washing up liquid to the cup, apply suction cup tool to the surface of the plank to be lifted, next to a joint. Apply pressure whilst you engage the suction cups

#### GRADING CRITERIA

Typically, character grade will include both heartwood and sapwood and allows a wider range of colour variation. Knots are larger and you should expect checks (cracks across the growth ring). Filler will be used, the colour of which is selected to complement the wood rather than to match it exactly, and it may vary from batch to batch.

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. Please ask for further details

#### TECHNICAL CRITERIA

<b>Origin</b>	Europe
<b>Responsible Certification</b>	Please ask a member of staff for details
<b>Janka Hardness Rating</b>	1,120 lbf (4,980N)
<b>Formaldehyde Emission</b>	E1 (EN 717-1)
<b>Slip testing</b>	63/30 PTV (BS7976-2:2002+A1:2013)
<b>Critical Radiant Flux</b>	Cfl-s1 (EN 13501-1:2007)
<b>Thermal Conductivity</b>	λ 0.17 W/m K (EN 12664)

#### MAGNETIC PROPERTIES

<b>Energy (BH Max)</b>	0.6 MGOe
<b>Residual induction Br (Gauss)</b>	600-1800 Gs
<b>Intrinsic coercive force Hci (Osteds)</b>	2405 Oe
<b>Coercive force HcB (Oe)</b>	130

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

\*\* This product may require on-site sanding prior to applying a suitable finish

# Temperature of top-face must never be allowed to exceed 27°C/80°F. UFH protocol to control temperature conditions is recommended.

#### INSTALLATION AND WARRANTY

All Havwoods floors 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.

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