



DATA SHEET

Forest Composite Decking

PRODUCT AND COMPANY IDENTIFICATION

Product type:	Composite Decking Boards
Distributor :	Castle Composites Limited Unit 1, Nisbet Way Ravenstruther Lanark, ML11 7SF
Phone No.:	01555 870003
Fax No.:	01555 870040

PACKING INFORMATION

All composite decking boards are stacked on wooden pallets with a heat shrink plastic pallet bag on top.

PRODUCT INFORMATION

Colours: Ancient Black, Wild Brown, Salt Lake Silver, Antique Ash
Size: 145 x 25 x 3600mm
Weight: 9.9kg per board

COMPOSITION INFORMATION

58% Wood Fibre, 32% HDPE, 10% Additives

HAZARD IDENTIFICATION

Main hazards

The composite decking as supplied are not classified as hazardous and as such do not present a risk to health or safety. Possibility of dust generation when cutting the composite decking. Reference should be made to Health and Safety Data Sheets supplied by the manufacturers of adhesives or other materials used for fixing the copes.

Health effects – Eyes

Dust from cutting will cause transient irritation by abrasion.

Health effects – Skin

Dust may cause irritation by abrasion.

Sharp edges on broken copes may cause cuts and/or lacerations to skin.

Health effects – Inhalation

Exposure to dust may cause irritation of nose throat and respiratory tract.

FIRST AID MEASURES**First aid – Eyes**

Immediately flood the eye with plenty of water holding the eye open. Obtain medical attention if soreness or redness persists.

First aid – Skin

Wash skin thoroughly with soap and water. Apply suitable dressings to cuts and abrasions. Obtain medical attention if cuts or abrasions are severe.

HANDLING AND STORAGE

Decking Boards must ALWAYS be stored on a flat surface to avoid warping or bending of the boards.

PERSONAL PROTECTION

Wear protective gloves when handling boards and suitable dust masks and eye protection when cutting boards.

TEST DATA

Feature	Standard	Traditional composite	Forest Composite	Increasing
Flexural Strength	ASTM D6109	18.8 MPA	23.1 MPA	26%
Tensile Strength	ASTM D638	16.6 MPA	23.24MPA	17%
Linear thermal expansion coefficient	EN – 15534 -1 9.2	4.5×10^{-5} /K	4.2×10^{-5} /K	7%
Boiling test	EN – 15534 -1 8.3.3	Water absorption 2.2%	Water absorption 1.47%	34%
Water absorption (22 days)	EN – 15534 -1 8.3.1	5.3%	3.6%	32%
Flexural Property	EN – 15534 -1 Annex A EN	Max Load : 3898N	Max Load : 4706N	21%