



Whiteriver

composite for living

ULTRASHIELD CONTEMPORARY TEAK

COMPOSITE DECKING SPECIFICATION DATASHEET

CLADDING COLLECTION
196.5 X 25 X 3600MM/2700MM

PRODUCT DESIGN	INFORMATION
Board Size	196.5 x 25 x 3600/2700mm
Product Code	K1630001 / K1630006
Board Coverage	0.67m ² - 3600mm length / 0.5m ² - 2700mm length
Range	Ultrashield Contemporary Cladding
Manufactured Composition	60% wood, 30% HDPE, 10% additives and pigments
Lengths per pallet	Varies
Guarantee	25 year residential warranty according to terms
Installation	As per installation instructions on www.wrg.ie/installation-instructions
Board Length	3600mm (+/- 10mm) / 2700 (+/- 8mm)
Board Width	196.5mm (+/- 2.5mm)
Board Thickness	25mm (+/- 0.5mm)
Joist spacing	500mm

TEST ITEMS	REQUIREMENTS / STANDARDS	RESULT
Abrasion Resistance	ASTM D4060	33mg (1000 cycles)
Brinell Hardness	EN 15534	8.2N/mm ²
Moisture Content	EN 322	0.83%
Fire Resistance	ASTM E84	Flame Spread Index (FSI) : 85 Smoke Developed Index (SDI) : 300
Resistance to artificial weathering	EN15534 ISO4892 - 2	After 2000h Exposure ΔE^* = 1.09 Grey Scale = 4.5
UV Weathering Test	ASTM G154	After 3000 hours test Grey scale 3, ΔE^* = 3.56
Mould Resistance	ASTM G21	Rating 0
Thermal Resistance	ASTM C518 - 2000	Thermal Conductivity: 0.1589W/m.k Thermal Resistance: 0.0830(m ² .k)/W
Thermal Conductivity	CE (EN14041(2004))	0.19738W/m.k

TEST ITEMS	REQUIREMENTS / STANDARDS	RESULT
Resistance to Scratch	ISO4586-2	Rate 2
Resistance to indentation	EN 15534-1: 2014 Section 7.5 EN 15534-4 :2014 Section 4.5.7	Apply 2000N load, Brinell hardness: 60 MPA Rate of elastic recovery: 64%
Neutral Salt Spray Test	EN 15534-1: 2014 Section 8.6 ISO 9227: 2012 EN 15534-4 Section 4.5.7	Exposure Time (h) = 96 $\Delta E^* = 1.42$ Grey Scale = 4
Swelling and Water Absorption (28 Days Immersion)	EN 15534 - 1: 2014 Section 8.3.2 EN 15534 - 4: 2014 Section 4.5.5.2	Swelling 0.67% in Thickness 0.04% in Width 0.07% in Length Water Absorption: 0.27%
Boiling Test	Water absorption in weight: EN 15534 - 1: 2014 Section 8.3.3 EN 15534 - 4: 2014 Section 4.5.5.4	0.49%
Pb, content	Lead (Pb)	result (mg/kg) Not Detected
Linear thermal expansion	EN 15534-1 : 2014 Section 9.2 EN 15534-4 : Section 4.5.6	$34.0 \times 10^{-6} / K^{-1}$
Formaldehyde	ASTM D6007:2014	Not detected

CARE & MAINTENANCE

Please refer to the Cladding care and Maintenance guidelines at www.wrg.ie for full care guidelines on caring for your Cladding correctly.

General Cleaning: Keep it clean and your Whiteriver Composite Cladding will reward you with years of low maintenance pleasure. Periodic cleaning of Whiteriver Composite Cladding is suggested, even if it appears clean, as it is important to prevent the build-up of pollen / debris that can cause mould. If unsure about the product being used to clean / remove stains, it is recommended that you test a small area in an inconspicuous place to determine if the product will cause any unwanted discolouration. Below is a more detailed instructions for taking care of your Cladding.

DIRT, GRIME AND DEBRIS

Whiteriver recommend cleaning on a regular basis in order to remove debris, pollen, and dirt. Surface debris should be sprayed off with a hose. Normally all you need is a soft non-metal brush, warm water and a mild household cleaner such as liquid soap or WOCA Exterior Cleaner. Scrubbing in the direction of the grain is best to remove dirt and debris. Thoroughly rinse off with a garden hose. If there is heavier dirt, you can use a low bar pressure washer with wide fan tips at a safe distance using a maximum pressure of 1500psi at a minimum distance of 300mm (12"). Always wash in the direction of the grain along the length of the board.

MOULD, MILDEW, ALGAE ETC

Mould and mildew are very common and occurs periodically in everyday environments. Therefore, surface mould and mildew can appear on the surface if decaying organic materials such as, but not limited to, wood, leaf and pollen are present along with elevated temperatures, air and water. Therefore, we can only minimise the occurrence by removing these decaying organic materials as quick as possible. If mould and mildew are present use warm soapy water or WOCA Exterior Cleaner and a soft non-metal scrub brush to clean. It will help avoid staining and minimise the growth of mould and mildew.

INSTALLATION & WARRANTY

All Whiteriver Cladding must be installed by a professional installer who has the necessary skills and will take each site circumstance into consideration. Our warranty is only valid on products which have been installed as per our installation instructions. (Available on www.wrg.ie)



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