

# Earthwood Evolutions® | Terrain Collection

## Luxurious Hardwood Appearance



Earthwood Evolutions Terrain Collection takes scratch, stain and fade resistance to an entirely new level and is backed by our 25-year Fade and Stain Warranty. Its timeless appeal of the earthy tones makes for captivating choices at an affordable price.

### What is Earthwood Evolutions Made Of?

- Earthwood Evolutions planks are made of reclaimed wood fibres and a combination of recycled and virgin high density polyethylene capped with protective outer shell
- Reflective, inorganic pigments minimize heat build-up and help ensure long-lasting colour
- Mineral additives enhance physical strengths and decrease expansion and contraction
- Lubricant package helps inhibit mildew and tannin stains

### Benefits for Builders

- Available in grooved profiles
- Cuts and fastens with traditional tools

### Benefits for Property Owners

- No annual painting or staining required
- Resistant to splitting, rotting, warping, cracking, splintering and termite damage
- Scratch, mildew, and stain resistant
- Grooved planks provide fastener-free surface when installed with CONCEALoc® hidden fasteners
- Colour-matched screws when installed with TOPLoc™
- 25-year limited fade and stain warranty
- 25-year limited residential warranty and 10-year limited commercial warranty

### Accessories and Trim

- Colour-matched trim options include: Earthwood Evolutions Fascia and Riser for stairs.



Brown Oak



Silver Maple

### Lengths & Weights

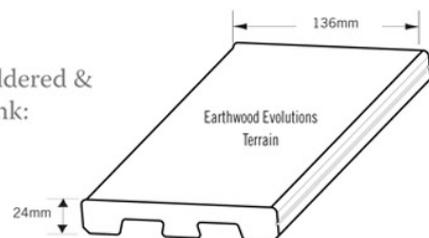
	4.8m
Grooved Plank	19 kgs

### Code Listings

	ATI Architectural Testing Inc	Canadian Construction Materials Centre
All Colours*	CCRR-0128	CCMC-13304R

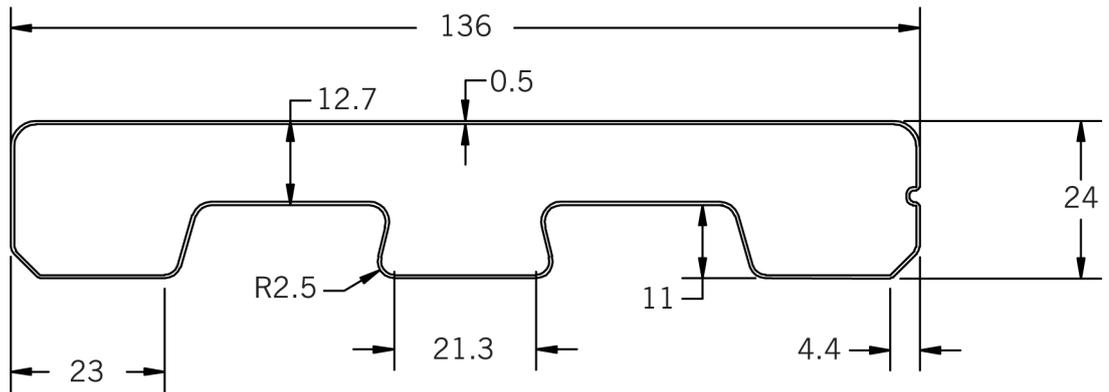
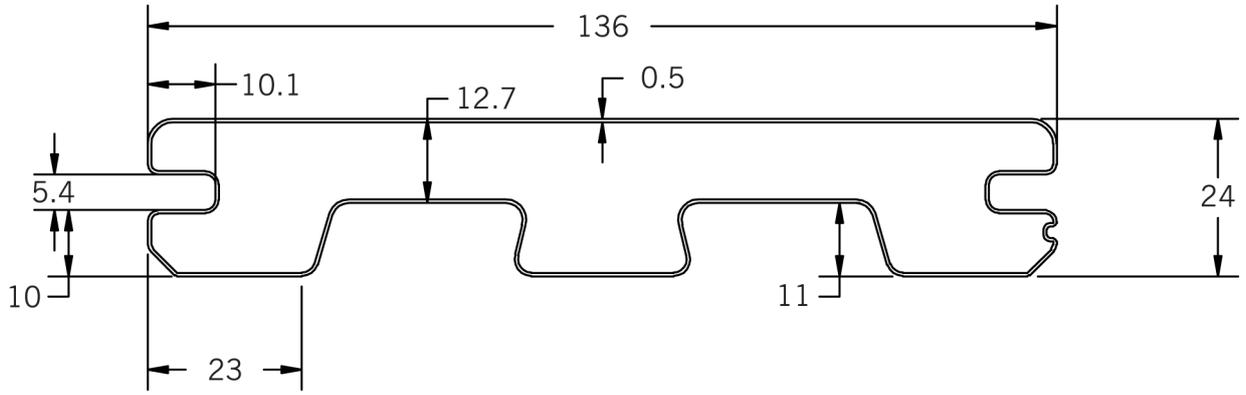
### Plank Profiles

Square Shouldered & Grooved Plank:  
136x24mm



### Span Chart

	90° Angle	30° Angle	45° Angle
4.5 kpa	450mm	350mm	300mm



**Plank size** - 136 x 24mm x 4.8m    **Span** - A maximum of 450mm centres

**Intended use** - TimberTech decking is NOT intended for use as structural members of the deck.

<b>Lm/m<sup>2</sup> coverage</b> -	Cover width	136
	Gap	3mm
	Total	139
		<b>7.19 Lm/m<sup>2</sup></b>

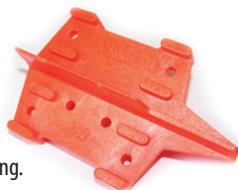
**Slip resistance** - ASTM F1679 Standard Test Method (average)

Earthwood Evolutions - Terrain	
Dry	0.50
Wet	0.45

**Deck slope** - To aid water run-off, the deck should slope **away from the house**.

**Joist spacing** - Centre to centre - 4KPa load

Plank angle	90°	30°	45°
Spacing	450mm	350mm	300mm



**Gapping requirements:**

- Deckmate spacing tool is recommended to give perfect gapping. (Supplied complimentary on request with orders)
- Gap planks a minimum of 3mm side-to-side.
- Allow 3-5mm minimum gap where deck meets adjoining structures.
- End to end gapping guidelines for various temperature ranges:

0° and below	1-24°C	25°C and above
4mm	3mm	2mm

**Clearances** - Ventilation is important; a cavity is required between the underside of the deck and the surface below.

- Concrete or similar - 50mm clearance
- Dirt or similar - 150mm clearance

**Cantilevering** - TimberTech decking can be cantilevered a maximum of 25mm.

**Stair installation** - Stair stringers are to be set at a maximum of 250mm centres.

**Directional notch** - TimberTech product surfaces are directional in manner. A notch has been added to one side of the planks. When installing planks, this marked edge must be laid to the same side for the entire installation for a consistent appearance.

**Salt or chlorine contact** - TimberTech deck planks are not adversely affected by salt or chlorine therefore are ideal by the pool or ocean.

**Expansion and contraction** - TimberTech decking boards will experience expansion and contraction with changes in temperature. Expansion and contraction are most significant where extreme temperature changes occur. Fastening the deck planks according to the gapping requirements noted in the table will accommodate for this movement. Changes in length are most significant during the installation process, and should be accounted for if working in extreme temperatures. For example if planks are cut to length during a hot afternoon and left overnight before installing them the next morning when it is cooler they would have contracted in length. Another example would be storing and cutting your planks in the shade and installing them in direct sun. Chances are, you will notice a certain amount of contraction. The best way to minimize this problem is to fasten your planks as soon after cutting as possible.

**TECHNICAL SPECS**

Property (*ultimate values)	Results
Coeff. of Thermal Expansion - Width	6.1 x 10 <sup>-5</sup> mm/mm/°C
Coeff. of Thermal Expansion - Length	3.6 x 10 <sup>-5</sup> mm/mm/°C
*Flexural Stiffness (3% Strain)	1224000kN.m <sup>2</sup>
*Modulus or Rupture (3% Strain)	21.8MPa
*Modulus or Elasticity (3% Strain)	3738MPa
Screw Pull Through	1377n/m
Water Absorption - % mass	<1.29%

Accessories available



- Complete your deck with colour coordinated facing boards. Sizes available: 305 x 14mm x 3.6m or 184 x 14mm x 3.6m

- TimberTech's ingenious CONCEALoc® hidden fastener system is designed to combine ease of installation with the sought after look of a screw free surface.

- TOPLoc™ face and fascia fastening systems come in colours to coordinate with all TimberTech boards and are designed to minimise mushrooming.



Niagara distributes TimberTech decking with matching fascia and accessories.

For further information please contact us on 0800 TT DECK (88 33 25)

