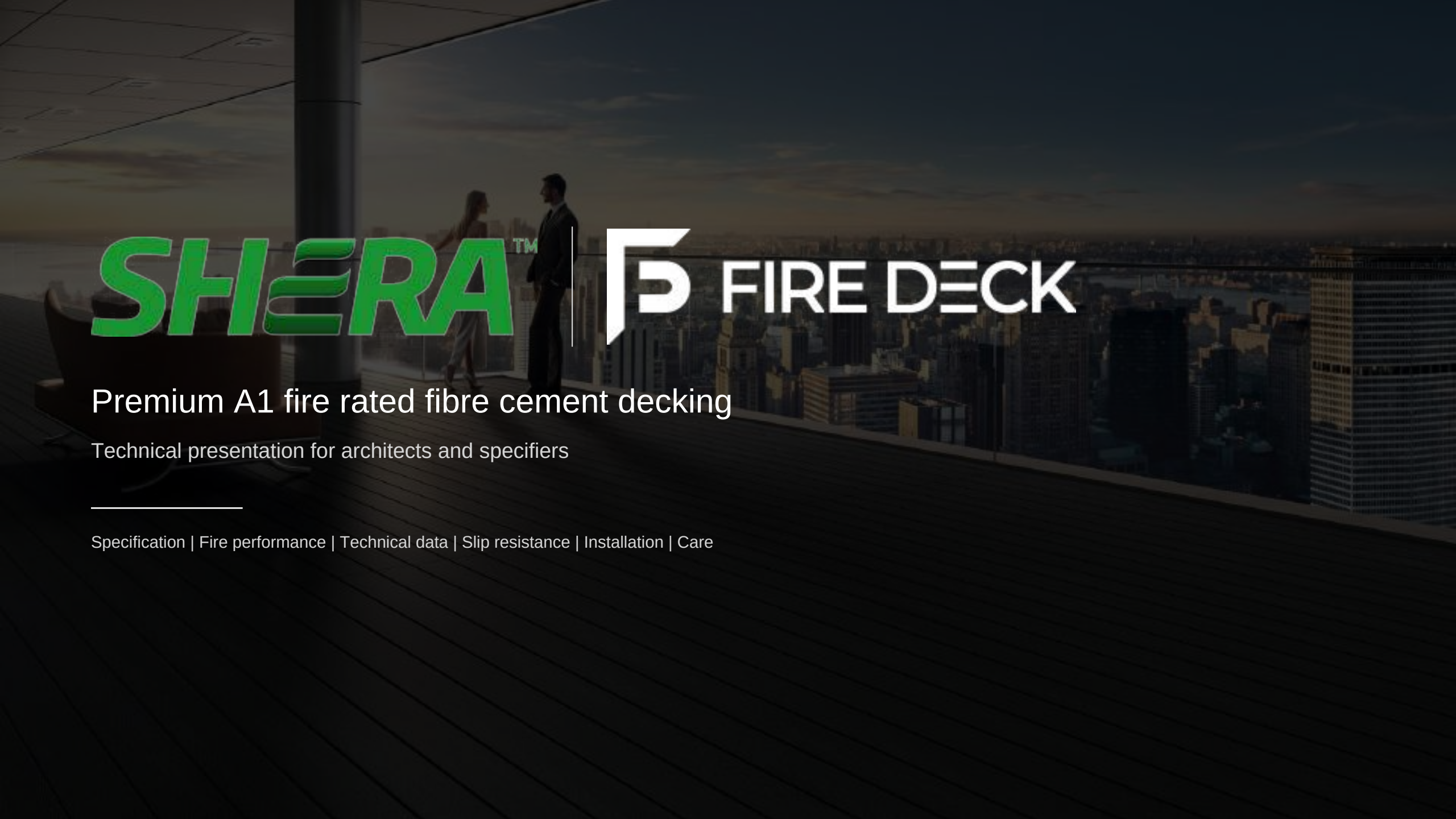

Premium A1 fire rated fibre cement decking

Technical presentation for architects and specifiers

Specification | Fire performance | Technical data | Slip resistance | Installation | Care

AT A GLANCE

Specified for performance, chosen for appearance

A1

Fire classification to EN 13501-1. Non-combustible fibre cement.

6x6

Protex technology: six protected sides and a six layer protective system on the visible face.

Colour Through

Colour integrated through the board, not reliant on a surface coating alone.

Clip Lock

Concealed fixing for an uninterrupted surface. Joist centres up to 400 mm.

Three finishes: Anthracite, The Teak, Chestnut Brown. Board size: 25 x 200 mm.

THREE PILLARS

Style, Safety and Sustainability

STYLE



TRUE COLOUR THROUGH

Consistent, uniform colour throughout the core and surface for lasting beauty.



SCRATCH RESISTANCE

Enhanced surface hardness resists everyday wear, helping the deck stay beautiful for longer.



UV RESISTANCE

Long lasting aesthetics with enhanced resistance to fading.

SAFETY



A1 FIRE CLASSIFICATION

Non-combustible fibre cement, classified A1 to EN 13501-1.



SLIP RESISTANCE

Anti-slip surface for greater confidence underfoot.



NON-WARPING STABILITY

Resistant to warping and deformation for long-term performance.

SUSTAINABILITY



LOW CARBON EMISSION

Manufactured with low carbon cement innovation (SHERA Gen 3) and responsibly sourced fibres from FSC-certified plantations.

BOARD DATA

Product specification

Type	Profile	Size T x W x L (mm)	Net weight (kg/pc)	Boards per m^2
Floor	Clip Lock	25 x 200 x 2400	18.28	2.08

Finishes and textures

Finish	Texture
Anthracite	Cassia
The Teak (two-tone)	Straight grain
Chestnut Brown	Cassia



Colour shown may differ from the product due to printing. Request physical samples before specifying.

PROPERTIES AND TEST STANDARDS

Technical data

Physical properties	Standard	Result
Thickness tolerance	ASTM C1185	± 1.5 mm
Density	ASTM C1185	1,300 to 1,400 kg/m^3
Modulus of rupture, MD (wet)	Not stated	> 8 MPa
Modulus of elasticity, MD (wet)	Not stated	> 2,500 MPa
Toughness, MD (wet)	Not stated	≥ 16 J/m^2
Water absorption	ASTM C1185	≤ 35 %

Durability properties	Standard	Result
Freeze / thaw resistance	ASTM C1185 & EN 12467	Pass
Warm water resistance	ASTM C1185 & EN 12467	Pass
Heat / rain resistance	ASTM C1185 & EN 12467	Pass
Soak / dry resistance	EN 12467	Pass

Fire resistance properties	Standard	Result
Fire test on building material	BS 476 Part 4	Non-combustible
Fire propagation index	BS 476 Part 6	I = 0
Surface spread of flame	BS 476 Part 7	Class 1
Fire classification	EN 13501-1	Class A1
Surface burning characteristics	ASTM E-85 (as published)	Class A

A1

A1 fire rating

Classified to EN 13501-1. Non-combustible fibre cement.

SAFETY

Fire performance

A1	**Non-combustible**	**I = 0**	**Class 1**
Reaction to fire classification	Fire test on building material	Fire propagation index	Surface spread of flame
EN 13501-1	BS 476 Part 4	BS 476 Part 6	BS 476 Part 7

A1 fire rating, classified to EN 13501-1. A1 is the highest Euroclass for reaction to fire. The board is non-combustible and does not contribute to fire growth. Surface burning is also published as ASTM Class A.

SAFETY IN USE

Slip resistance and stability



Slip resistance

An anti-slip surface for greater confidence underfoot, with Cassia and Straight Grain surface textures.



Non-warping stability

Resistant to warping and deformation for long-term performance.

Durability testing

Freeze / thaw, warm water, heat / rain and soak / dry tests are all recorded as Pass. Water absorption is 35% or less. See technical data.

SURFACE TECHNOLOGY

6x6 Protex and True Colour Through

6 layers. 6 sides.

SHERA Colour Through boards are enhanced by 6x6 Protex technology: protective treatment around all six sides of the board, with a six layer protective system on the visible surface.

True Colour Through

Colour is integrated through the board rather than relying solely on a surface coating, giving a consistent appearance and reducing the visual impact of normal surface wear.

Benefits

- Long lasting appearance
- Weather and UV protection
- Surface durability
- Protection of the board



EASE OF INSTALLATION

Installation: concealed Clip Lock system

1 **Prepare the substructure**
Level to standard requirements. Framing spacing not to exceed 400 mm. Galvanised steel box section, minimum 50.8 x 50.8 mm and 2.3 mm thick.

2 **Install the starter decking**
Fix the start clip to each joist line with the supplied screws and slide the first board fully into the clip.

3 **Fix the next board with Clip Lock**
Fix clips to every joist, checking fastening tension is neither over-tightened nor loose.

4 **Continue the board run**
Slide boards into the clips until fully locked. Boards butt up to each other.

5 **Final inspection**
Check alignment, fixing strength and spacing.



Subframe options

We partner with Wallbarn for subframes, or you can use your own.

COLOUR AND TEXTURE

Three finishes



Anthracite

CASSIA TEXTURE

Deep, dense black for contemporary architecture, balconies and roof terraces.





The Teak

STRAIGHT GRAIN, TWO-TONE

Warm teak character for residential and relaxed living spaces.





Chestnut Brown

CASSIA TEXTURE

Rich natural warmth with stronger grain character for landscaped and hospitality settings.

LOW MAINTENANCE

Maintenance and care

DO'S


Sweep regularly with a soft brush


Clean with water and mild detergent


Use furniture with rubber or plastic feet


Lift furniture instead of dragging


Clean oil or food stains immediately; do not leave them for a long time


Avoid water stagnation and ensure proper drainage

DON'TS


Do not use abrasive or sharp cleaning tools


Do not spray high-pressure water at close proximity


Do not use strong acid or alkaline chemicals


Do not use abrasive salt grit


Do not use furniture with metal feet


Do not apply oil, wax or polish

EVIDENCE FOR SPECIFIERS

Certification and documentation

Item	Evidence
Technical data and installation guide	Technical data sheet and installation guide
A1 classification (EN 13501-1)	Classification report and certificate
Fire tests (BS 476 Parts 4, 6 and 7)	Test reports
Slip resistance	Pendulum or ramp test report, wet and dry
Load and span data	Point load, UDL and span tables per joist spacing
EPD	Environmental product declaration
ISO 14001 and CE marking	Certificate copies and numbers
FSC fibre sourcing	Chain of custody evidence

SHERA™ | FIRE DECK

Specify with confidence

Request a free sample or speak to our technical team about your project.

Request a Free Sample

Talk to Our Technical Team

Technical data | Installation guide | Case studies

Firedeck
Unit 18 Smeaton Road, Portway West Business Park
Andover, Hampshire SP10 3LF
+44 (0)1264 311 113

