



LUNAWOOD

Surface treatments



Surface treatments

- △ Lunawood Thermowood can be surface treated with the same high-quality paints, wood-oils, waxes and varnishes that are suitable for un-modified wood
- △ Linseed oil is not recommended because it enables fungal growth
- △ In sauna and spa environments, paraffine oil is recommended to ensure high level of hygiene
- △ To maintain the original brown colour of Lunawood Thermowood, surface treatment is necessary
- △ A self-selected shade is also possible. In this case, it should be noted that the color patterns tinted to bright wood do not correspond to the final color tone due to the specific characteristic brown tone of the Thermowood. We recommend test painting.

Excellent basis for various coatings

Dimensionally stable

- △ Dimensionally stable
Lunawood Thermowood creates solid basis for surface treatment
- △ No cupping / cracking
- △ Paint or any other coating applied to it does not crack
- △ Secures durable life cycle for surface treatment agents

Resin free

- △ Lunawood Thermowood does not secret any resin through the paint
- △ Allows Thermowood to be treated into white or lighter colour → no yellow patches on the board
- △ Ensures long life cycle for the coating

Durable

- △ High durability of Lunawood Thermowood creates also a durable basis for surface treatments
- △ High quality coating increases the durability even more
- △ Only weather exposed surface might be coated



Note list before surface treatment

- △ Climate
- △ Shape of the profile – radius on the edges
- △ Surface texture
 - △ Plained
 - △ Brushed
 - △ Micro grooved
 - △ Sanded
- △ Method of application
- △ The end result depends on the type and amount of wood finish as well as the roughness, color and porosity of wood surface. Always make a trial application.
- △ Lunawood is darker than wood commonly used in color samples



Application

- △ The surface treatment can be applied either before or immediately after installation
 - △ Factory coating is recommended to ensure even colour between boards
- △ Lunawood Thermowood does not absorb paint, stain or oil as much as un-modified wood
 - △ Only with thin layers is recommended
- △ Lunawood Thermowood does not require four side treatment
 - △ Only weather exposed surface might be coated
- △ Saw ends are recommended to be sealed



VILLA VUURLIJN

Year: 2019

Location: Netherlands

Architect: Hoogeveen Architecten





Surface treated options in Lunawood Collection 2023



Luna Pro Coated Pure 20x142 Hidden Nailing Brushed Black

- △ Premium factory coated cladding for facades
- △ Brushed surface with Tikkurila Ultra Pro paint
 - △ Tikkurila colour code: Black 0202
 - △ Gloss level: Matt (5RT/Standard)
 - △ Expected maintenance period: 10 years
- △ Creates flexible, fast-drying film on the surface of the wood
- △ The flexible film adapts to changing weather conditions



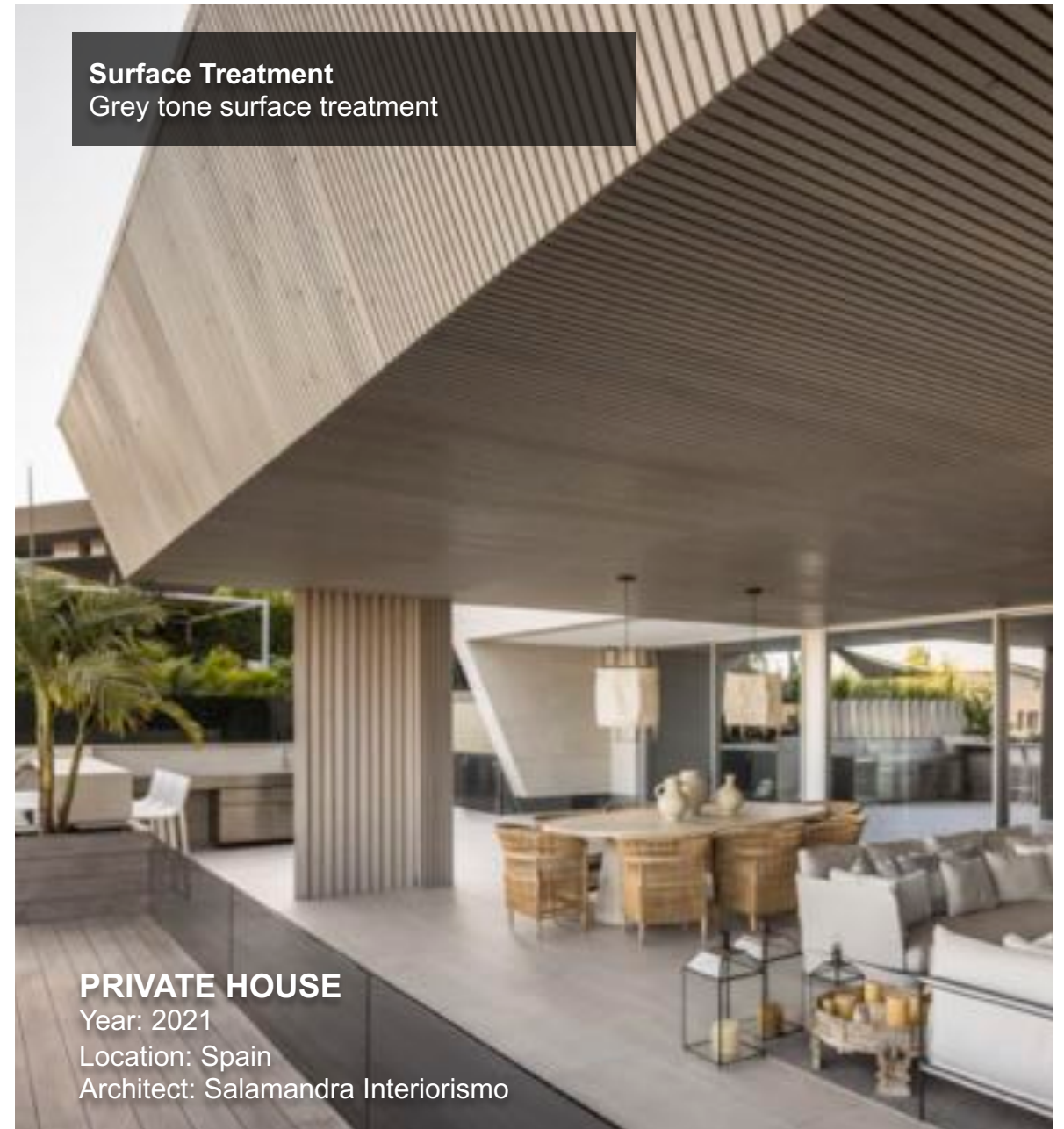
Luna Pre-Greyed Pure 20x142 Hidden Nailing Brushed

- △ Premium factory coated cladding for facades
- △ High quality grey-finish for exterior and interior application
- △ Keim Lignosil Verano Color code: 4880
- △ Achieved with non-toxic coating which will disappear after several years of installation and reveal the naturally greyed Lunawood Thermowood
- △ Robust brushed surface
- △ No maintenance required
- △ For shadowish end-uses



Benefits of pre-greying

- △ Installation ready grey colour
- △ For a projects where UV radiation of the sun doesn't reach to all facades or ceilings
- △ Creates uniform colour throughout the building when silver colour is required
- △ Kick-start for the natural greying process
 - △ Wood will turn into grey under the pre-greyled paint
- △ No need for re-application
- △ Suitable pre-greying options:
 - △ SiOO:X
 - △ Rubio Monocoat WoodCream
 - △ Keim Lignosil Verano 4880



How to maintain the original brown colour?

- △ The original caramel brown colour of Lunawood Thermowood can be maintained with UV protected and colour pigmented surface treatment
- △ Recommended colour codes:
 - △ Tikkurila TVT5051
 - △ Tikkurila TVT5071
 - △ Owatrol Aquadecks - Honey
- △ Expected maintenance period depends of the selected surface treatment agent might varie between 1-8 years
- △ Spraying method is recommended



Lunawood Thermowood decking

- △ Decking is more effected to weather due to horizontal application
- △ Effect of UV radiation is higher compared to facade and thus greying process is faster
- △ Oiling is recommended to help keep the decking clean (e.g. black spots)
 - △ Available with UV filter
- △ Natural caramel brown colour of Lunawood Thermowood can be retained with colour pigmented and UV protected woodoils
- △ Recommended application method: sponge



Lighter colours

- △ Lunawood Thermowood can be treated into more lighter colour or completely into white
- △ Recommended surface treatment product for interior:
 - △ Osmo Colour, Matt Snow
 - △ Rubio Monocoat oils (0% VOC)
- △ Darkish caramel brown colour might require multiple layers to achieve white or very light colour
- △ The color patterns tinted to bright wood do not correspond to the final color tone due to the specific characteristic brown tone of the Thermowood
- △ Test paint is always recommended

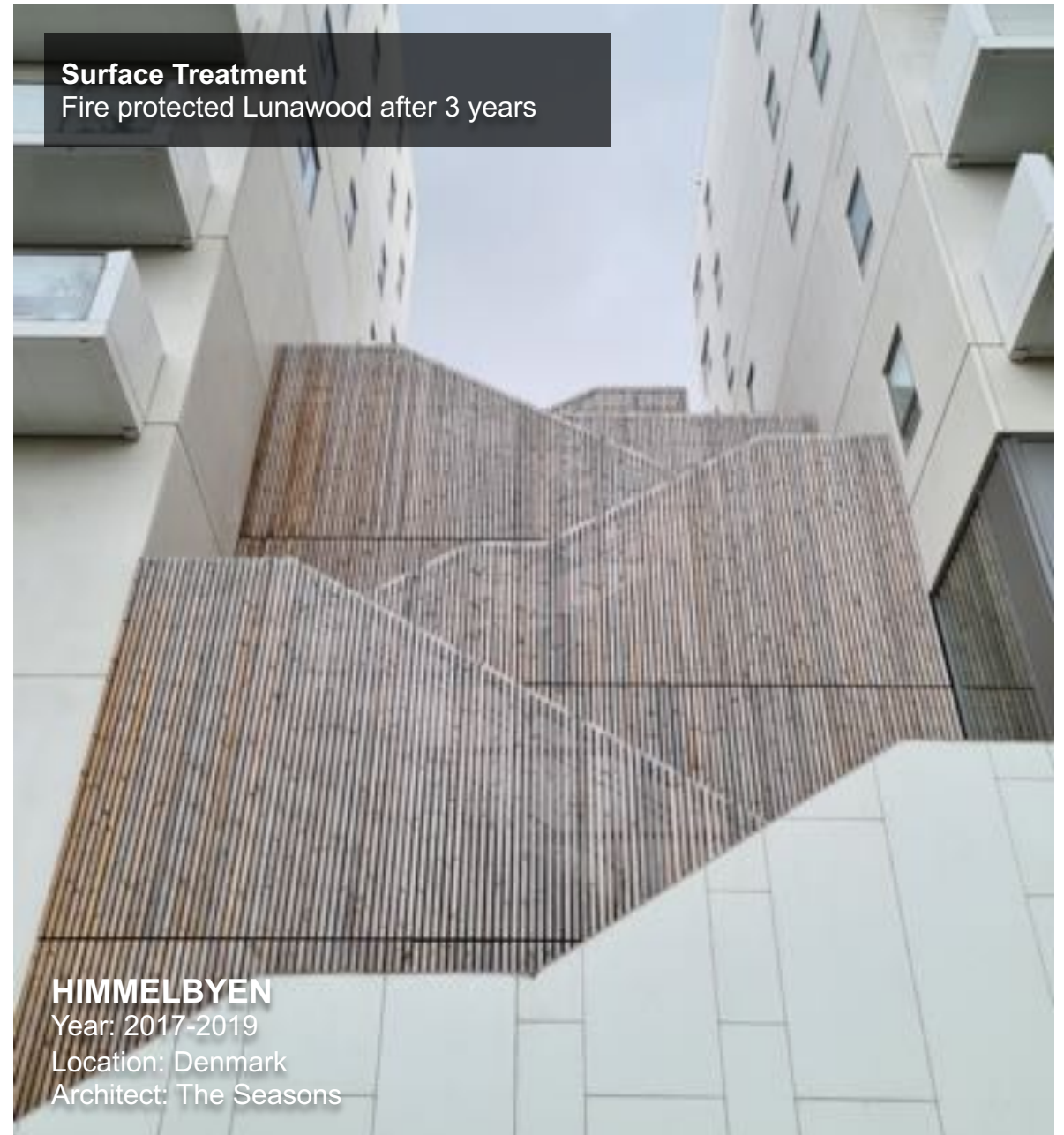
Surface Treatment
Osmo Colour Wood Wax – Matt Snow

FOUR HOUSES
Year: 2014
Location: Portugal
Architect: PROD Arquitectura & Design



Fire Protection

- △ Using pressure impregnation method, Lunawood Thermowood can be fire protected to achieve the required EN13501 fire class B
- △ Products that achieve the fire class B-s1,d0
 - △ Plained, flat T&G profiles
- △ Products that achieve the fire class B-s2,d0
 - △ Lunawood 3D profiles
- △ Fire protection does not effect to the visual appearance of Lunawood Thermowood
- △ Painted fire protected products are also available
 - △ Painting must be done by a CE-certified painter e.g. not at the construction site
- △ Painting affects to smoke production s1 → s2



Surface Treatment

Colour pigmented and UV protected stain



FORUM BRAGA

Year: 2018

Location: Portugal

Architect: Barbosa and guimarães architects



Surface Treatment

Ebony stain – RAL 9005, vacuum-coated



EATON SOCON PRESCHOOL

Year: 2019

Location: United Kingdom

Architect: Millworks Ltd and Devlin Architects



Surface Treatment

Tikkurila Pinja Color Plus - 5071

JÄMERÄ SALMIAKKI

Year: 2020

Location: Finland

Architect: Kirsi Lehtonen



Surface Treatment
Rubio Monocoat WoodCream - Black



SASSEN RESIDENCE

Year: 2019

Location: South Africa

Architect: SALT architect



Surface Treatment
Jotun Wood Paint (compressor)



BARN'S CAFÉ – ALBAHA MALL
Year: 2022
Location: Saudi Arabia



Surface Treatment
Sherwin Williams – LS10-100



Basisschool
Het Epos

HET EPOS PRIMARY SCHOOL

Year: 2020

Location: The Netherlands

Architect: SeArch, Bjarne Mastenbroek



Surface Treatment

Drywood Woodstain VV Ebony



HOLIDAY PARK MEER VAN EYSINGA

Year: 2021

Location: The Netherlands

Architect: Penta Architects



Surface Treatment

Drywood Woodstain VV Ebony



NIEUW BOEKENROODE

Year: 2021

Location: The Netherlands

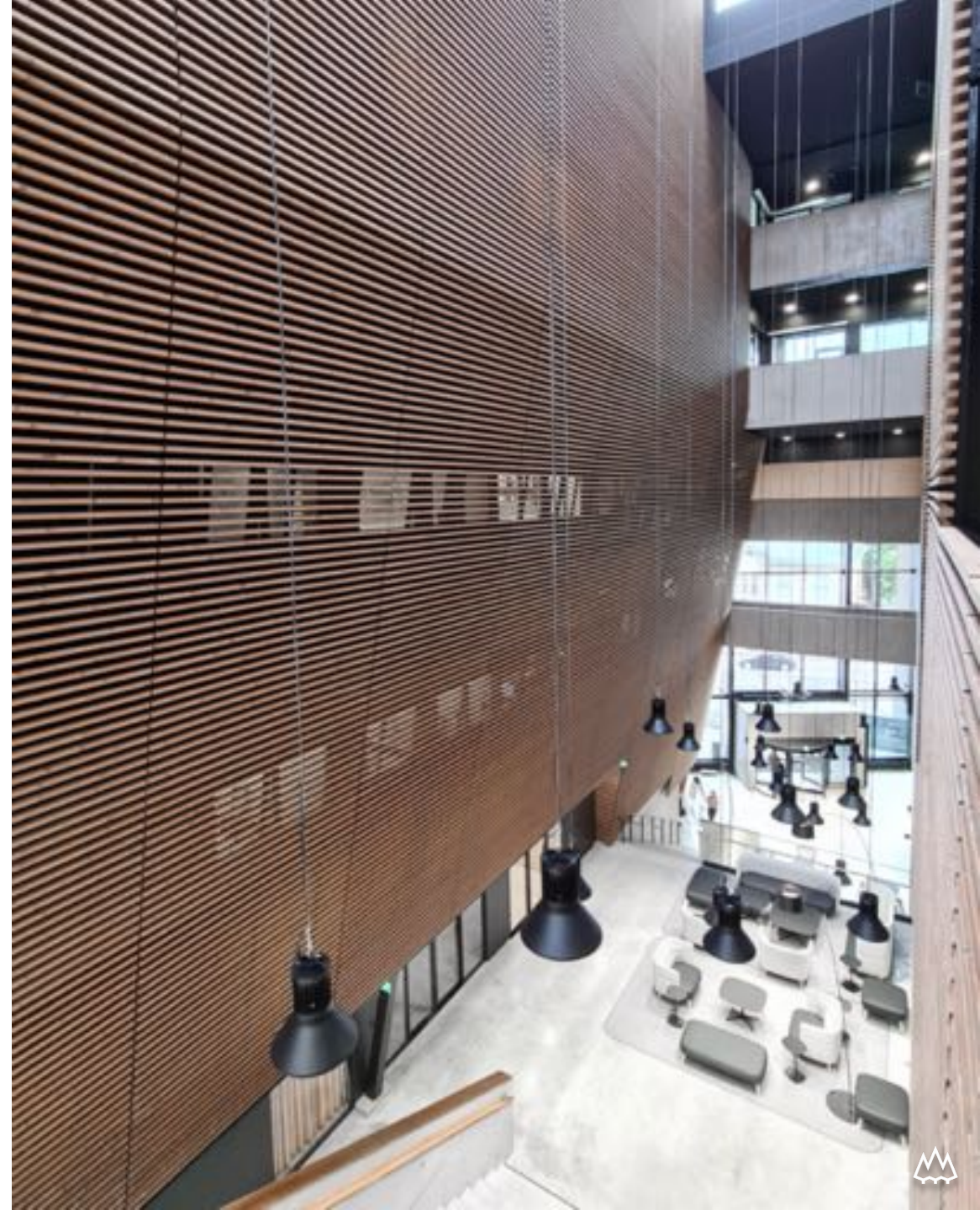
Architect: HeikoHulsker & Partners



Surface Treatment
Tikkurila Valtti Plus Stain TVT5071



AURUM
Year: 2021
Location: Finland
Architect: Aihio Architects Oy



Summary

- ✓ Lunawood Thermowood can be surface treated with the same high-quality paints, wood-oils, waxes and varnishes that are suitable for un-modified wood
- ✓ Linseed oil is not recommended because it enables fungal growth
- ✓ Lunawood creates durable and dimensionally stable basis for various coatings
- ✓ Factory coating is recommended to ensure uniform colour
- ✓ Lunawood is darker than wood commonly used in colour samples
- ✓ Test paint is always recommended