



JSC Coda® Wood Oil
Information Sheet

**JSC** CODA
WOOD OIL



This Page: TMT Tuscan Cladding coated in JSC Coda Wood Oil Colour Galaxy & Maple | Aspen Homes

WHY CHOOSE THE JSC COATINGS RANGE?

Today's modern architectural designs demand timber products such as cladding, interior lining, and battens that offer both low maintenance and excellent lifetime performance. JSC has developed a range of coatings and application technologies that meet these requirements for both interior and exterior applications.

UNIQUE FEATURES OF THIS RANGE

- **Tailored for New Zealand:** Our coatings are specially designed for New Zealand's conditions and unique architectural styles.
- **Latest Trends:** Our colour palettes reflect the latest trends, providing both vibrant and natural options to showcase the timber's beauty.
- **Sustainability:** Advanced water-based timber coatings made from plant-based oils, featuring UV inhibitors and high-quality pigments for long-lasting protection.

JSC FACTORY COATINGS TECHNOLOGY

HOW JSC FACTORY COATINGS WORK

The JSC coating system enables weatherboards to be coated under controlled conditions with our state-of-the-art coating technology. The JSC coating system ensures coverage over the entire surface area of any profile in one pass while achieving a precise and consistent application rate. All the hard-to-reach areas of the profile are evenly coated with a first coat ensuring that once the second coat is applied on-site, a premium finish is achieved.

KEY BENEFITS



Premium finish



Cost saving



Saves time

JSC factory coating benefits explained:

- **Factory Applied First Coat:** A consistent, high-quality finish applied under controlled conditions.
- **Reduced On-Site Time:** Reduces the length of time scaffolding is required on site, reducing site costs.
- **Optimal Product Use:** Efficient use of product minimises wastage, ensuring a cleaner site and streamlined workflow.
- **Ready For Installation:** Boards are delivered dry, well-stacked, and ready for immediate installation.





TMT Taiga Vertical Shiplap Cladding coated in JSC Coda Wood Oil colour Caliaby | First Principles

THE JSC TIMBER COATING PROCESS

JSC's coating process is meticulously designed to ensure your timber cladding, screens, battens, and interior linings look stunning and remain protected for years to come. Our streamlined process ensures consistency and quality throughout each stage, from selecting the perfect colour to the final application per the below:

HOW IT WORKS



Choose Colour



Order Cladding,
Panelling, or Battens



First Coat
(Factory Applied)



Timber Installation



Second Coat
(Applied On Site)

SUITABILITY & APPLICATION GUIDELINES

DARK COATINGS

Dark stain colours can enhance the visual appeal of timber but require careful consideration based on timber type and application:

- **Timber Suitability:** Not all timber species or timber profiles are suitable with dark coatings. Dark finishes have higher heat absorption which can lead to timber movement, cupping, warping and even potential splitting of boards. Consult with a JSC representative to make sure your chosen timber is suitable.
- **Application on Pre-Coated Timber:** Typically, dark coatings can be applied over previously light or clear-coated timber, provided the same base oil is used (e.g. JSC Scumble over JSC Scumble or JSC Coda over JSC Coda). However, if the timber has been installed for some time, it is likely the boards were not coated on all four sides before installation, which impacts their stability. Adding a darker coating later may disrupt this balance, increasing the risk of warping or movement due to heat absorption.
- **Professional Advice:** For best results, the JSC team can guide you in choosing suitable dark colours and provide tailored recommendations based on your project needs.

CLEAR COATINGS

Clear coated timber will weather naturally to various silvered/grey tones due to the absence of colour pigment or UV additive, while however, retaining the protective benefits of the natural oils. For a short period after application, the timber's natural colour will be visible but this will change as the weathering process begins.



When considering clear coating its important to understand:

- **Weathering Impact:** UV exposure causes natural greying, which can result in uneven weathering on areas with differing levels of exposure, such as eaves and gable ends. This can lead to a patchy appearance if not planned for.
- **Design Considerations:** For projects aiming to maintain a more consistent look, JSC offers colour alternatives like JSC Coda™ Lava Grey that mimic a weathered appearance while ensuring uniformity across exposed and protected sections. To select the best option for your project and timber type, consult a JSC representative to ensure your goals and expectations align with the chosen coating.



JSC CODA
WOOD OIL



Western Red Cedar Vertical Cladding coated in JSC Coda Wood Oil colour Walnut
Hallmark Homes Prestige Show Home Oakbridge | Anna McLeod Photography

JSC Coda™ Wood Oil is a premium water-based wood oil that cares for the timber long after being initially coated. Coda's vibrant colour palette is semi-transparent and enhances the natural variations of the grain and texture, showing off the timber grain detail beautifully. It has been specially developed by JSC to cater to the New Zealand market and is formulated for our uniquely varied climatic conditions.

The ingredients include UV inhibitors and high-quality pigments to ensure longer-lasting coatings and longer than average intervals between maintenance coats. Recoating is typically recommended every 2 to 3 years, depending on factors such as site exposure, timber species, coating colour, and maintenance. This timeframe serves as a conservative guideline, as with proper care and upkeep this timeframe could be longer.

COLOUR PALETTE

The JSC Coda Wood Oil range includes 15 versatile colours and a clear option, balancing bold, striking tones with timeless neutrals. Our Lava Grey colour is a beautiful pre-grey option that mimics the weathered appearance of timber that has been exposed to the elements. This colour has a slightly different base composition in comparison to the other colours in this range, but still has the same long-lasting protection.

For custom colour options, samples, and guidance in choosing the right colour and species for your project please contact us.

FEATURES & BENEFITS

- Enhances the natural grain and texture
- Protection from the elements
- Protection from destructive fungi and mould
- Vibrant palette
- Non-film forming
- Good penetration into the wood
- Hydrophobic properties
- Moisture resistant

RECOMMENDED USES

JSC Coda Wood Oil is perfect for interior & exterior applications like:

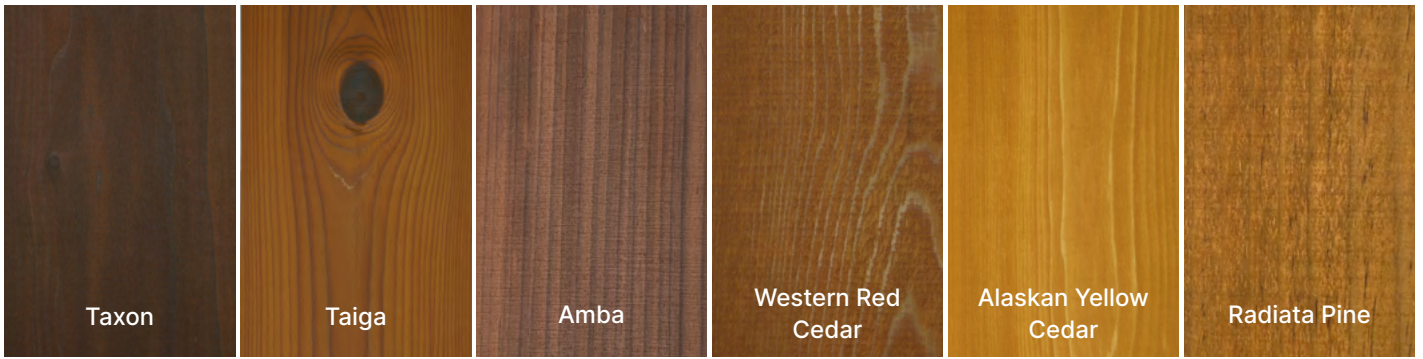
- Timber Cladding
- Timber Soffits
- Timber Joinery
- Pergolas & Decorative screens
- Timber Panelling
- Fences
- Decking*

*Coating for decking only recommended in our clear coating option.

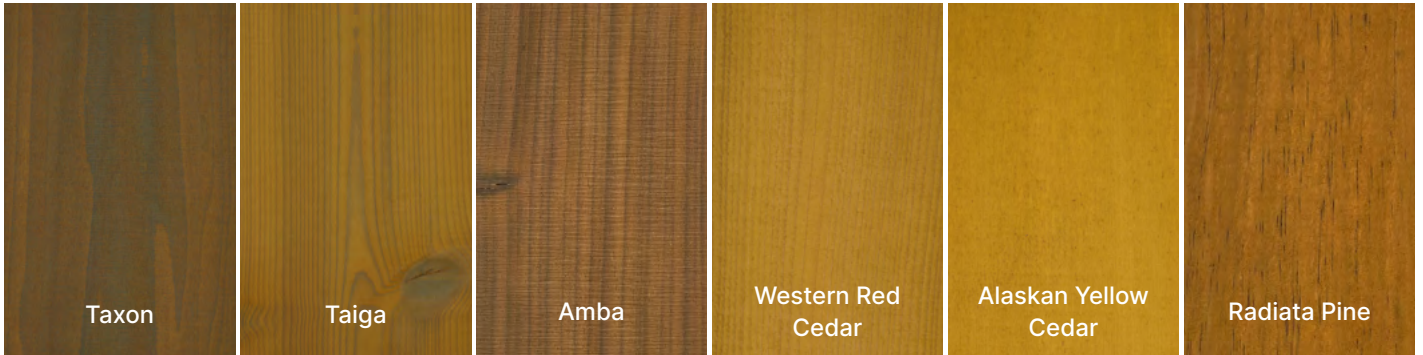
JSC CODA™ WOOD OIL COLOUR RANGE

2 COATS

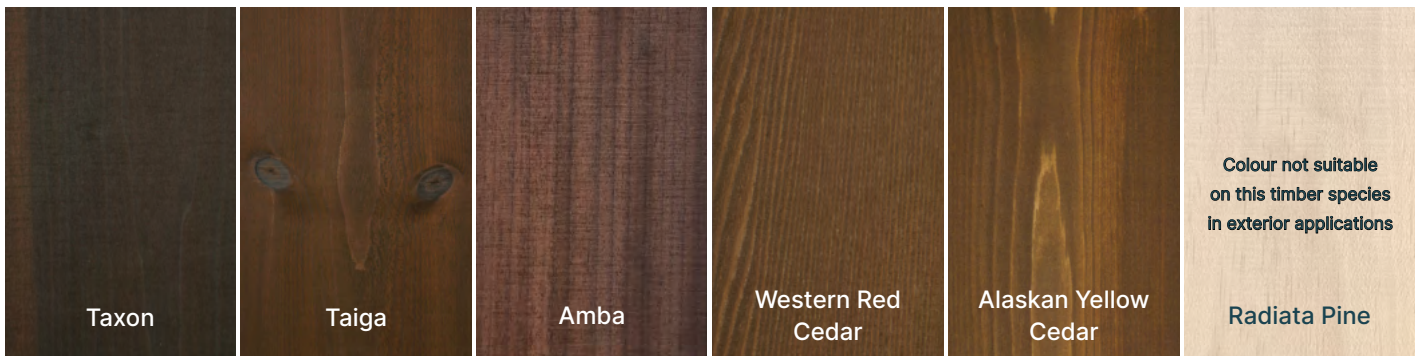
JSC CODA MAPLE



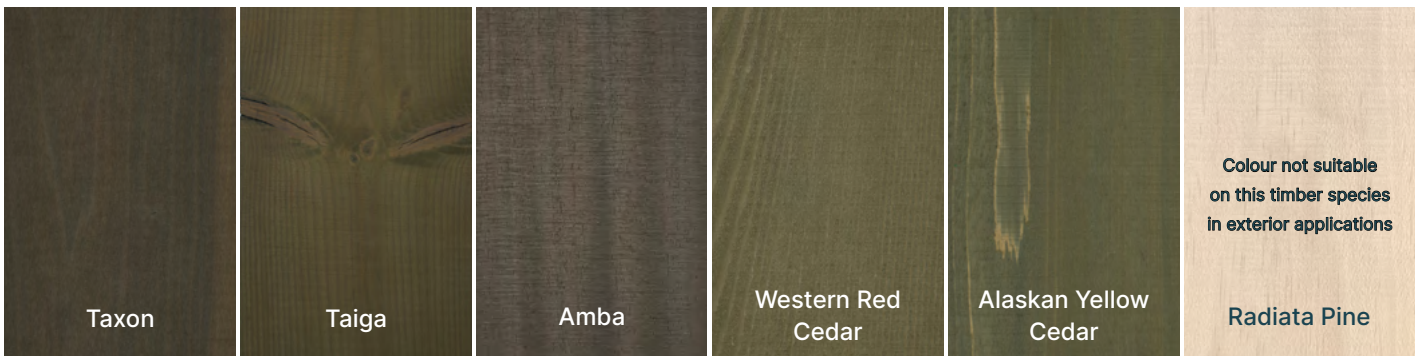
JSC CODA AURUM



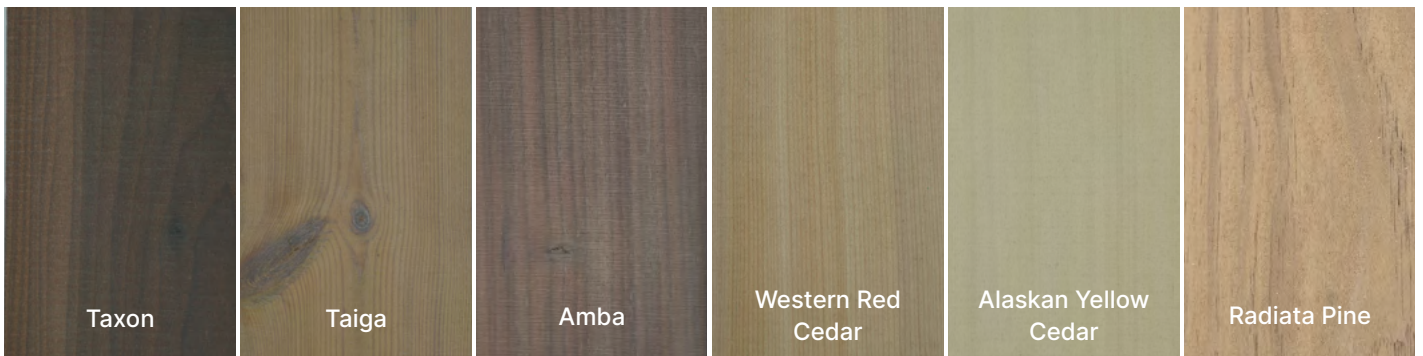
JSC CODA WALNUT



JSC CODA LOAM

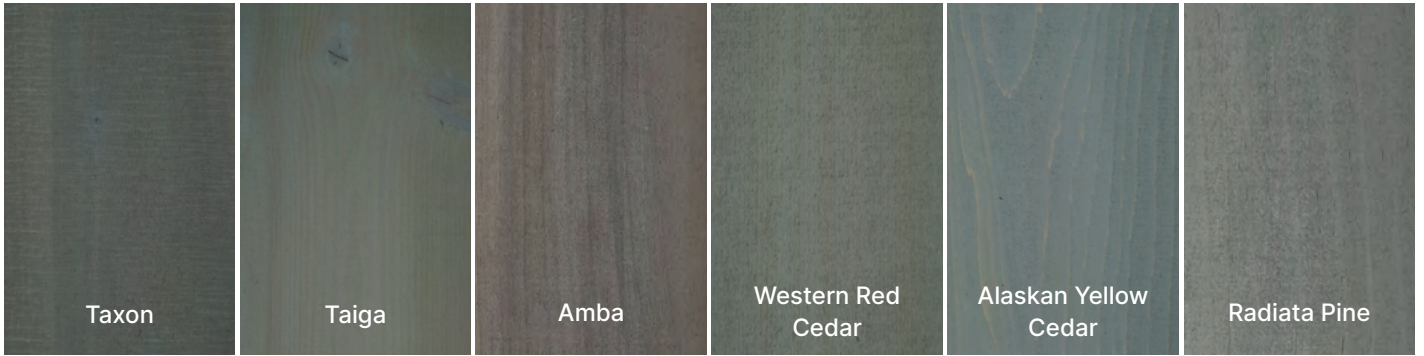


JSC CODA CALIABY

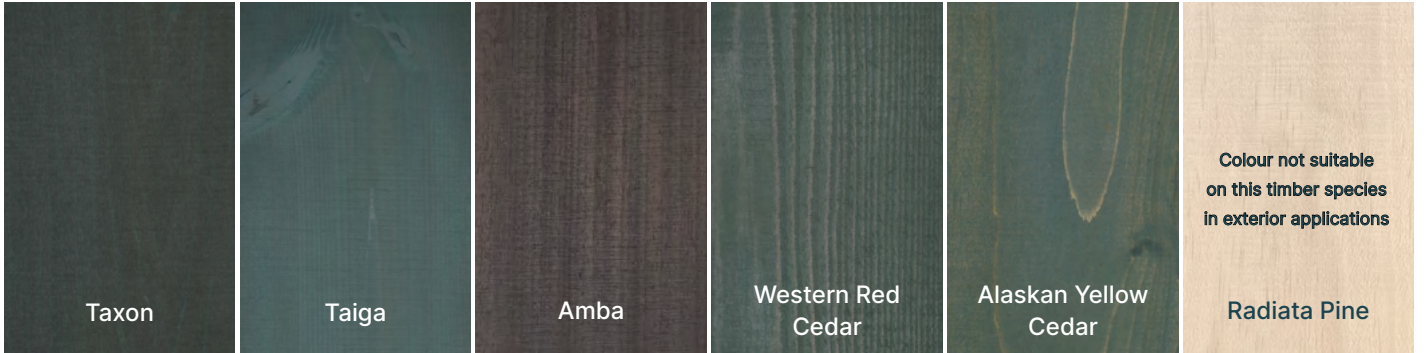


Important Note: All colour samples are two coats. Unlike paints, it is difficult to predict precisely how the coating will look once applied, as the appearance of stain coatings is influenced by the finish, grain, and colour of your chosen timber. Therefore, we recommend that the chosen colour is trialled on an actual timber sample prior to the final coating. When choosing dark colours, careful consideration must be given to the site, timber species, the board profile and board size for the best results. Visit jsc.co.nz/coatings for more information.

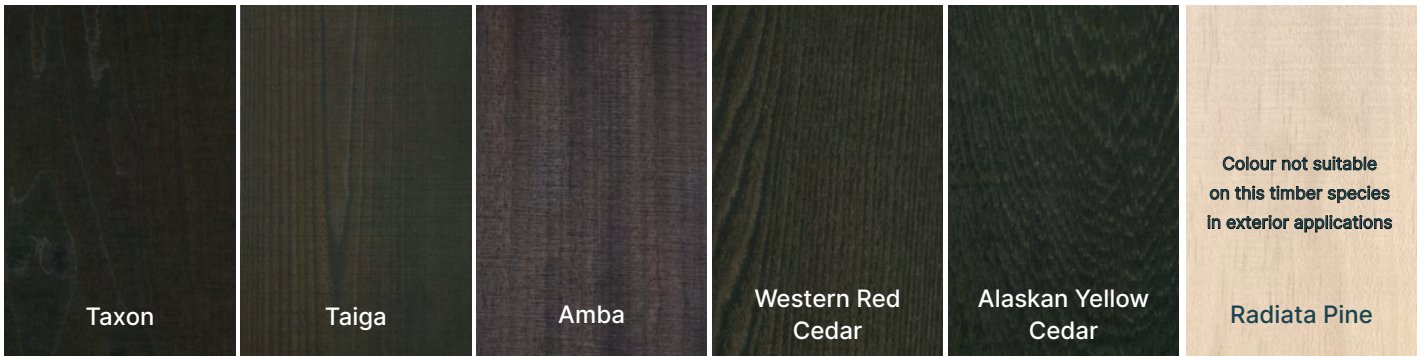
JSC CODA LAVA GREY



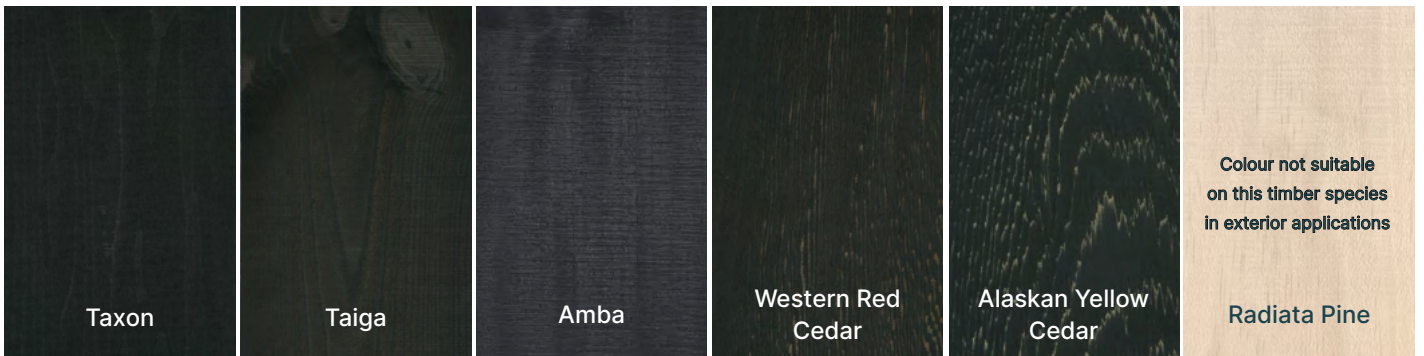
JSC CODA SILVER FOX



JSC CODA CLOUD



JSC CODA SHADOW

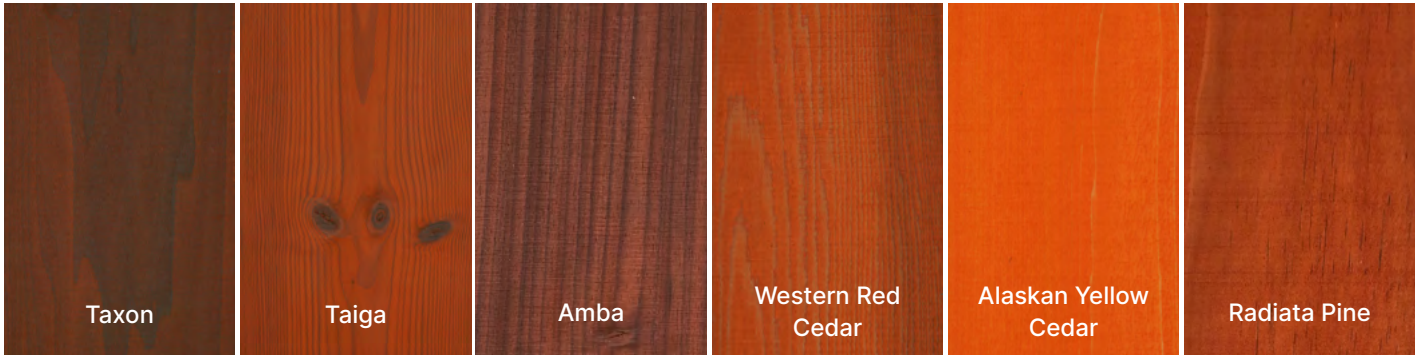


JSC CODA GALAXY

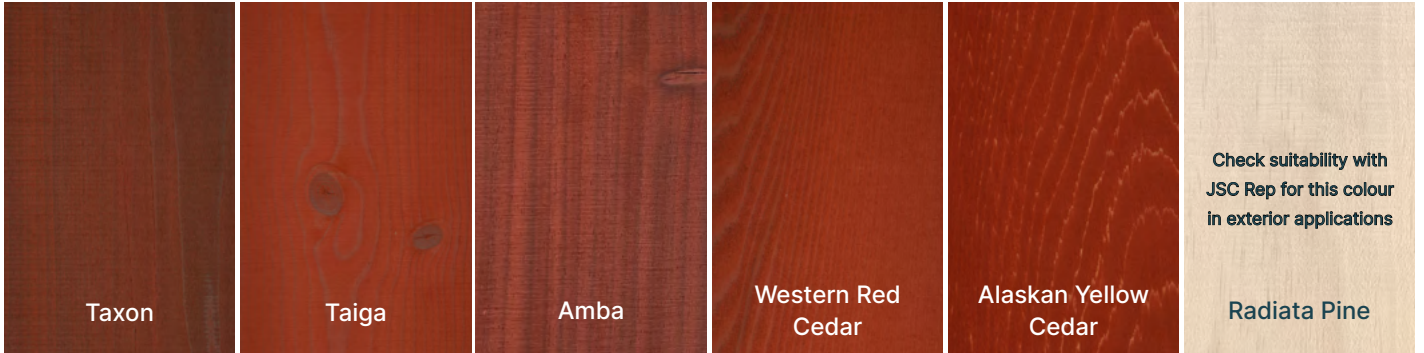


Full disclaimer: Visit jsc.co.nz/coatings for more information.

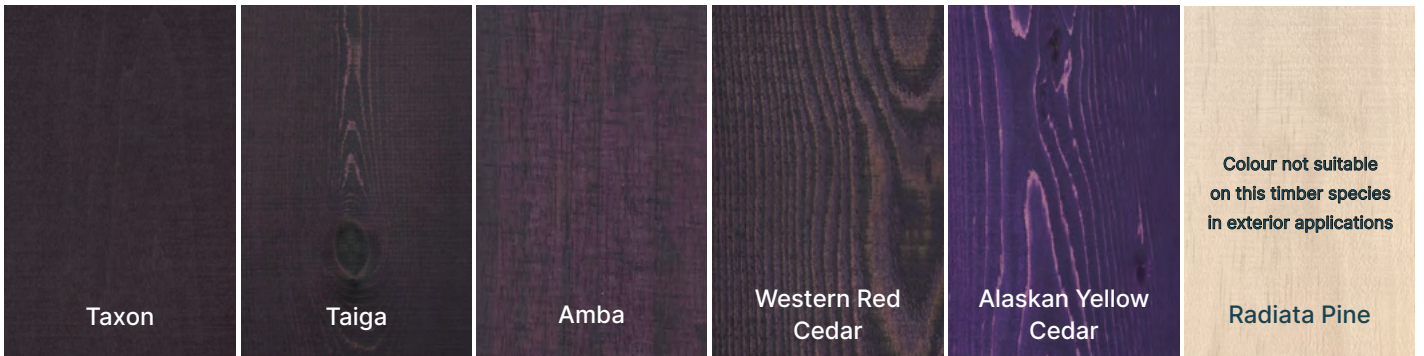
JSC CODA BLAZE



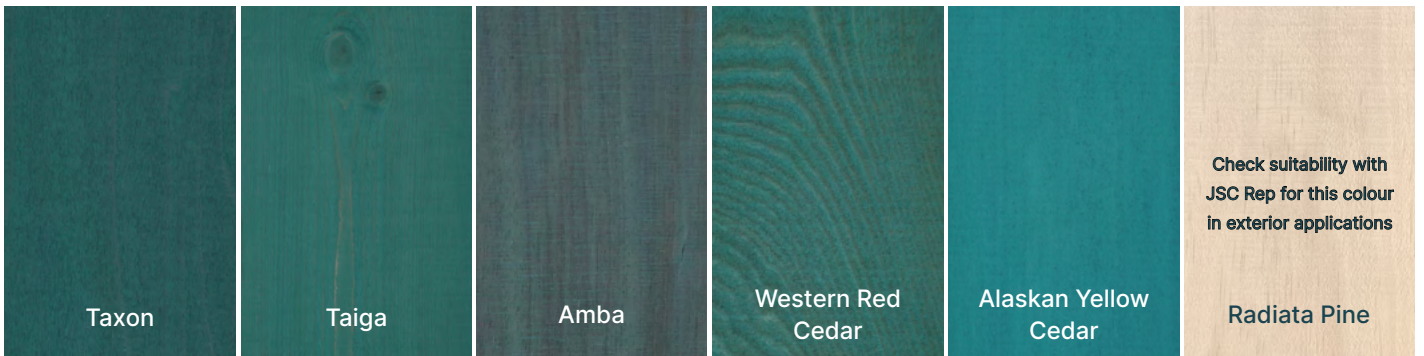
JSC CODA SOLARIS



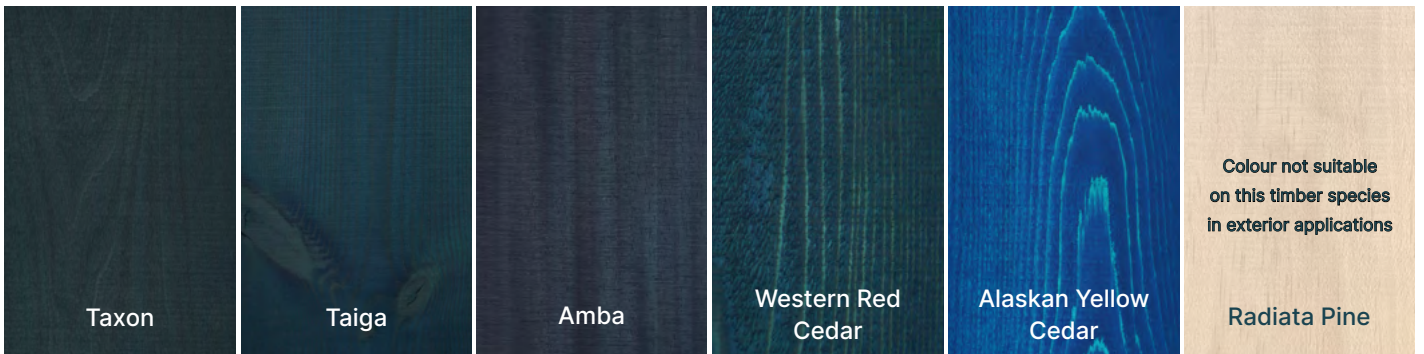
JSC CODA IRIS



JSC CODAZINC



JSC CODA SANTORINI



Full disclaimer: Visit jsc.co.nz/coatings for more information.



APPLICATION & MAINTENANCE

Alaskan Yellow Cedar Vertical Shiplap Weatherboards coated in JSC Coda® Zinc
Private Home

EXTERIOR APPLICATION

First Coat

You've chosen your weatherboard cladding and determined the desired colour from our colour palette. It's now time to confirm how the first coating will be applied prior to installation; either on-site, or to arrive Factory applied.

FACTORY APPLIED (RECOMMENDED)

We recommend that the first coat is applied via the JSC coating system. Conducted in our highly controlled factory-environment, we ensure a consistent coverage across the entire timber profile prior to delivery.

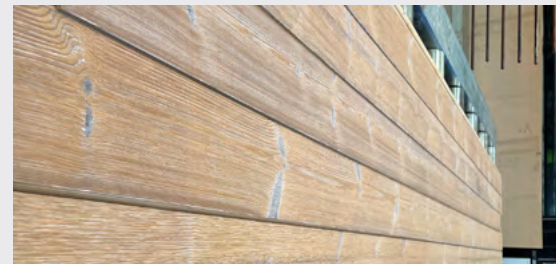
Boards will be delivered to your site dry, well-stacked, and ready for installation, saving you on downtime, labour, scaffolding and space on site.

STORING COATED BOARDS

Ensure that timber is stacked face to face with fillets between the back faces to protect the premium finish:

- Keep weatherboards dry prior to installation; either by storing within an enclosed building or if stored outside, use additional weatherproof covers in addition to the JSC packaging wrap.
- Stack weatherboards horizontally, 100mm clear of the ground, and supported on at least three dry, clean timber bearers at a maximum of 900mm centres.
- There should be sufficient airflow at all times to avoid condensation.
- Avoid storing over standing water, wet ground, or vegetation.
- Keep timber covered on site and protected from contaminants from concrete and metal cutting, cement, plaster dust, and refuse.

Any remaining gloss or wetness needs to dissipate prior to handling and fixing.



SELF APPLICATION

If weatherboards are supplied uncoated, the first coat will need to be applied to all surfaces on-site prior to installation.

Per the Instructions below, apply one coat of your selected JSC Coating to all sides of the timber cladding. It is good practice to coat the back of the cladding boards at the bottom plate with an additional coat up to 75-150mm from the bottom edge of the cladding.

All the cut ends must be double-coated to protect the absorbent end-grain and maintain the coverage envelope.

Second Coat

You're now ready with installed weatherboards which have one coating on which was applied prior to installation (either Factory applied by JSC or self-coated). What happens next?

PREPARATION

Please read the chosen product label carefully before use.

Ensure that the surface is free of any building residues, grit or dust with a hose-down and then allow it to dry before coating.

Do not apply coatings when the substrate moisture content exceeds 18%. The optimal weather conditions are dry weather with a minimum temperature of 13°C. If possible, avoid direct sunlight and high temperatures, so overcast days are ideal.

COVERAGE & DRYING

Application rate recommendation:

- New Band Sawn timber – approximately 8-12 square metres/litre.
- Restored Band Sawn timber and wooden roof shingles – approximately 6-8 square metres/litre.

To achieve optimal results, we recommend a trial application on offcuts before undertaking the actual coating.

In standard climates and on commonly used kinds of timber species:

- Touch-dry: 3 hours
- Workable: 8 hours

The drying process can be markedly delayed in unfavourable weather conditions (high humidity, low temperatures, minimal air movement). The drying time can also vary depending on the type of wood.

APPLICATION

Allow at least 8 hours after installation before applying the second coat. JSC Coatings apply easily and rapidly with:

- **Speed brush:** PAL brand Speedbrush can be used for dressed or bandsawn surfaces.

- **Spray:** Use airless spray equipment. Choose a nozzle to deliver a low-pressure coarse spray.
- **Brush:** A wide, good quality bristle brush is best for band sawn or rough surfaces.
- **Roller:** Use a short nap for dressed timbers and a medium nap for band sawn surfaces.

INSTRUCTIONS

1. Stir well before and during use. JSC Coatings must be used as supplied to achieve optimal results; never add thinners in any way.
2. Apply an even coat on all the visible/exposed faces of the cladding and ensure the coat is not applied too thick.
3. Coat up to three cladding boards at a time, working from one end to the other, maintaining a wet edge. Coating must be applied to the entire width of the board to avoid blend lines.
4. Work the stain into the grooves and joins as you progress along the boards. Any excess in the joins should be removed with a clean cloth before it begins to dry. Avoid applying excess product to the surface as it will not dry.
5. Ensure that the exposed end-grain at the bottom of the cladding is coated.
6. Allow 24-48 hours for the freshly coated surface to dry. Do not allow any exposure to water during the drying period.

CLEAN UP

- For spray equipment, brushes, and clothes; clean with hot water.
- Use a wiping rag with hot water on smooth surfaces and a brush on rough surfaces to clean over-spray or accidental spillage.
- If brushes remain clogged, rinse with Isopropyl alcohol.



EXTERIOR MAINTENANCE

JSC TMT Taiga Vertical Shiplap Weatherboards
coated in JSC Coda® Lava Grey
Matakana Showhome | Signature Homes

JSC recommends an annual inspection to identify any degradation or damage to the coating. In some cases, where a home is in a coastal area for example, inspections may be required more regularly (e.g. every six months). If left unmaintained, the timber surface will discolour or degrade unevenly making the restoration process more difficult, time-consuming, and costly. In most cases, cleaning and recoating the timber is all that is needed to restore the timber's beautiful finish.

MAINTENANCE COAT

A maintenance coat needs to be applied sooner than the standard recoating intervals whenever:

- Signs of wear or natural weathering such as a loss of water repellence, colour tone, or oxidation are identified during the inspection or cleaning process.
- There is an exposure of end grains, especially on the bottom of vertical boards. Only a soft wash is necessary prior to any maintenance coats if the maintenance schedule has been followed – however a strong wash is required if not.

CLEANING

- Annual cleaning is recommended at a minimum to remove any surface contaminants such as dust, pollen, or mould before they become ingrained.
- Cut back any vegetation that has grown too close to the weatherboard as it can restrict air flow and damage the coated boards.
- Regularly brush and wash away leaves, soil or debris to keep the surface clean and defend against fungal growth.
- Attend to areas that might look discoloured or scratched to minimise further deterioration.
- Clean weatherboards with a soft brush or car cleaning brush and mild detergent, using a standard hose.
- Pre-soak the timber surface, then start washing in small workable sections at a time. Follow the full length of the boards from top to bottom with back-and-forth strokes.
- Under no circumstances should water-blasters be used as the pressure can leave visual marks or physical damage to the timber.

RECOATING



RECOATING

On average, recoating is required every 2 to 4 years, affected by factors such as:

- Weather/UV exposure/Humidity
- Site location and orientation – Northern and Western facing areas generally require recoating more often than Southern and Eastern walls, although the latter will still require regular cleaning
- Timber species
- Coating colour
- Restricted light and air flow
- Proximity to vegetation and airborne contaminants such as dust and pollen
- Maintenance frequency

CONSIDERATIONS WHEN RECOATING

If JSC Scumble® or JSC Coda® Exterior Wood Oil was used to coat the surface previously, it means you won't need to sand back or strip the timber to ensure compatibility. Ease of maintenance, simple cleaning, and recoating are quicker and more cost-effective if JSC Scumble® or JSC Coda® Exterior Wood Oil is used for all coats.

INSTRUCTIONS

1. Do not recoat in wet weather or in direct sunlight – apply when the temperature is moderate.
2. Ensure that the timber surface is clean and free of dust, oxidation, and residual coating. This can be achieved by using a non-invasive suitable timber cleaner, or engaging the services of a professional house cleaner.
3. Once cleaning is complete, wait until the timber is completely dry before applying.
4. Use a soft brush or speedbrush pad to achieve a top-quality finish.
5. Coat up to three cladding boards at a time, working from one end to the other while maintaining a wet edge. Apply to the entire width of the board to avoid blend-lines.
6. Apply two coats if the timber surface is completely bare, otherwise one coat is generally sufficient.

SAFETY INFORMATION

The following information pertains to the JSC Coatings range – JSC Scumble® and JSC Coda® Exterior Wood Oils.

PERSONAL SAFETY

- Wear protective gloves, eye protection, and wash skin thoroughly with soap and water after handling.
- Spilling of the product may cause a significant slip hazard. If there is any spillage, properly collect and contain.

STORAGE

- Do not store at temperatures below +5°C or above +30°C.
- Ideally, store above 13 °C prior to use to ensure oil will diffuse into the timber well.
- Only store in the original containers. Seal container tightly after use.
- Check all containers regularly for damage and seal.

ENVIRONMENTAL & DISPOSAL

- Do not apply directly to or contaminate waterways when cleaning equipment or disposing of wastes.
- Harmful to aquatic life with long lasting effects
- Avoid release to the environment.
- Dispose of according to Local Regulations or Authorities.

FIRST AID

Call a Poison Centre or doctor if you feel unwell. If medical advice is needed, have the product container or label at hand.

If swallowed: Seek medical attention. Do not induce vomiting or give anything by mouth unless authorised by a doctor.

If in eyes: Rinse gently with running water for at least 15 minutes, opening the eyes fully. Remove contact lenses, if present. Continue rinsing if the eye irritation persists and get medical advice/attention.

If on skin/hair: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation occurs, seek medical advice/attention.

If inhaled: Move to open air. In the event of breathing difficulties, seek medical advice/attention.

For urgent emergency information only:
National Poison Centre 0800 764 766



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jsc.co.nz

TechHelp@jsc.co.nz | Sales@jsc.co.nz

FIND JSC ONLINE



AUCKLAND

(09) 412 2800
22 Sawmill Road
Riverhead

HAMILTON

0800 57 26 88
43 McKee Street
Pukete

WELLINGTON

0800 57 26 88
61 Seaview Road
Seaview

CHRISTCHURCH

(03) 348 9726
23 William Lewis Drive
Sockburn