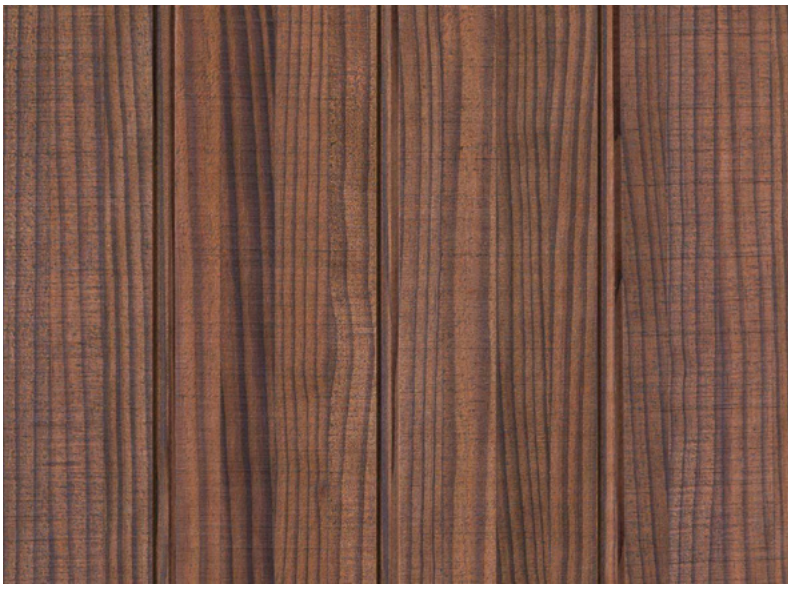
Iron Vitriol



New Growth Feature Timbers

ABODO

○ Overview	Abodo Iron Vitriol is a reactive stain finish designed for use as a base-coat onto high tannin timbers. The water-based formulation reacts with natural tannins present in timber, creating a dark finish that penetrates deep into the surface of the wood. Iron Vitriol is a factory applied coating only.
○ Typical Uses	Exterior cladding, screening, fencing, interior panelling.
○ Features	• Natural-based active ingredients. • Non film-forming. • Penetrates and binds into timber surface. • Long lasting natural dark finish.
○ Colours	Colours are indicative only and will vary according to natural variations in timber cut, grade or species. Some fading/colour change can be expected as part of the weathering process in exterior applications.

Vulcan in Iron Vitriol
with Protector – Clear.

Product Specifications

○ Characteristics Appearance	Rusty brown liquid.
○ Odour	Pungent vinegar smell.
○ Flash Point	None.

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○ Explosive Properties	None.
○ Shelf Life	Up to 6 months (potency will start to drop after this).
○ Clean Up	Water.
○ Species Compatibility	High tannin timbers such as Douglas Fir, also works on thermally modified timber.

Product Handling

- Wear suitable protective clothing, gloves and eye protection.
- Face mask may be used if preferred but is not required.
- Store away from oxidisers.
- Low pH – may be corrosive on metals such as aluminium.
- Do not pour down drain.
- Avoid contact with skin.
- Do not ingest.
- Keep out of reach of children.

Read SDS prior to use.

Preparation

Select timber with suitable durability level for end use application and sufficient tannin levels to create reaction e.g. Abodo Vulcan (if in doubt consult Abodo).

Make a test on a small piece of timber to check compatibility with substrate and subsequent top-coats, and to establish application rate for desired colour effect.

Existing coatings must be removed to expose raw timber surface.

Thoroughly sand dressed timber.

Clean any dirt or dust from the timber.

Ensure timber is dry <16% moisture content.

Application

Apply coating under cover, or if outside, during dry weather conditions only, ensuring rain will not occur during the coating/drying process, as this may lead to excessive leaching of the Iron Vitriol.

1. Thoroughly SHAKE & STIR before and during application.
2. Apply via flood, spray or by dipping method. If applying by hand, use a speed brush applicator pad.
3. Apply one generous coat. Typical application rate 6-8 sq m per litre. This may vary depending on timber type and finish e.g. bandsawn or smooth dressed and what level of colour is preferred. As a rule, less product applied will result in a lighter grey colour, more product will result in darker colour.
4. Allow liquid to absorb in to surface of timber at least 15 minutes. Wipe back excess as necessary.
5. Complete tannin reaction will take up to 3-6 hours.
6. Clean equipment or spills with water.
7. Once dry (<16%MC) and reaction is complete, the finish must be over-coated with minimum two coats of semi-transparent or clear coating as appropriate to the end use application. All coats must be completely dried/cured prior to being exposed to moisture.

Iron Vitriol

○ Exterior Top Coating

Suggestions:

- Penetrating oil finish recommended such as Abodo Protector.
- Film forming coatings not recommended.
- Seal all sides and end grains of timber.

○ Interior Top Coating

Suggestions:

- High Solids hardwax oil, polyurethane or other film forming coating.
- Face of timber only needs coating.
- Always check compatibility of top-coat product with the Iron Vitriol finish prior to making larger scale coating run.

○ Tips

- Colour result will depend on the timber species used and how much Iron Vitriol is applied.
- Variation in colour may occur between sap wood, heart wood, knots, grain or other natural variations. This is considered part of the aesthetic of the finish.
- Pigmented top-coat may give different colour effect and weathering characteristics.
- Fading and change in the colour of the finish must be expected as part of the weathering process in exterior situations.
- Some leaching in the form of orange coloured iron oxide at the base of cladding may occur in wet conditions. This can be removed from surfaces if required with oxalic cleaner such as Abodo Rejuvenator or similar.

Maintenance

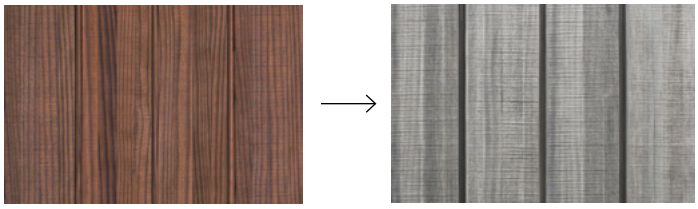
○ Exterior

- With a clear top-coat the finish will lighten on exposure to the weather over time eventually settling to a gun metal grey.
- Wash exposed timber down regularly with water and mild detergent at low pressure with a soft brush, to remove built up dirt, dust and any other environmental pollution that may have adhered to the surface.
- High pressure water blasting is not recommended – soft pressure wash only.
- A maintenance assessment of the timber should be made every two summers and further top-coats applied as appropriate to maintain water-repellency. The re-coat period will vary according aspect of the timber to the weather and climatic conditions.

  As a guide, a further top coat should be applied after 12-18 months weathering and then every 2-4 years after that depending on exposure to the weather. Top coats may be clear or pigmented, pigmented will help maintain colour if that is desired.

○ Lightening of the Timber

Example of colour change externally.



Iron Vitriol
As delivered

Iron Vitriol
Weathered 10 months
exterior install

We cannot guarantee against wear or color changes to any products which result from weather, sun, wind and/or the natural aging process of the wood.

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○ Interior	• Clean with soft cloth as per coating manufacturer's instructions. • Touch up top-coating as required. • Colour will remain darker brown.

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