



## **Metalier Australia - Liquid Metals Metalier Coatings Specifications**

### **General Information**

1. Metalier Coatings is a decorative metal coating system.
2. It is a catalysed mixture of Binder (either solvent or water-based) and atomised metal powders.
3. It is applied by one of our trained Master Applicators using HVLP spray, brush or roller according to desired finish. It is usually applied to the chosen substrate in one of our Master Applicators' workshop but can, on occasions, be applied *in situ*.
4. After curing which takes 4-24 hours (depending on the binder used) the coatings are then polished, waxed and/or patinated, depending upon the look required.
5. When polished, because most of the binder is sanded away, the coatings can be up to 95% metal. Polished Metalier Coatings are less than 1mm thick. The textured Coatings can be 3-4mm thick and can be tapered at the edges where required.
6. The finish may be clear-coated, depending upon the look required and performance specifications. If it is not clear-coated the metals will oxidise naturally.
7. The coatings may be applied to all substrates, are for interior and exterior use are resistant to UV damage.
8. Metalier Coatings can be used on horizontal and vertical surfaces and are durable and strong enough to be used on floors and counter or bench tops.

### **Waterproofing**

9. Metalier Coatings are waterproof but are not a water-proofing system. If waterproofing is required then either a water-proof substrate can be specified or a water-proofing system applied under the Metalier Coating.

### **Fire Rating**

10. When high-polished smooth Metalier Coatings are finishes to a thickness less than 400 microns they will not alter the existing substrate's fire rating classification.
11. Panels made solely with Metalier Coatings are Group Number 3 Classification pursuant to NZBC Verification Method C/VM2 Appendix 2. Testing was completed by Branz Type Test FH 5557-TT20141.

### **Maintenance**

12. Metalier's Proprietary Clear Coat is recommended as a top coat/sealer for metals which are to be exposed to touch in the public arena. This Clear Coat is strong, durable and contains anti-graffiti properties. It can be cleaned with a soft cloth and water. In the case of graffiti, that can be removed using Halo Graffiti Cleaner which is available from That Metal Company. The Clear Coat can have graffiti removed on multiple occasions without leaving residue and the clear coats is non-sacrificial.
13. Ensure that all acids - vinegar, lemon juice, or wine are wiped clean as soon as possible. These acids can etch into the Clear Coat and into the metals.
14. If a natural oxidising finish is required or the metal cannot be touched easily, then polishing with Metalier Metal Polish will delay the oxidisation and keep shiny surfaces bright. Specific maintenance instructions are available from That Metal Company for specific jobs and are also included as part of this document under Appendix A.



## Repair

15. The ability to repair damage to Metalier Coatings is incident, substrate and finish particular. Waxed and textured finishes may be repaired *in situ*. Polished finishes are more difficult and may require panel treatment.

## Durability

16. Metalier Coatings are as hard as their substrate: for example if the substrate is wood, then Metalier Coatings will have the strength of the underlying wood. Care should be taken to avoid chipping or damage by impact from hard objects.
17. Metalier Coatings will scratch in the same way as sheet metal. If it is scratched with something sharp enough it will mark in the same way as tiles or glass.
18. Metalier Coatings have an expected life of 25 years. Specific jobs will be warranted up to 15 years on application with Metalier Proprietary Clear Coat and up to 10 years on applications without coating.

## Appendix A

### a) Cleaning instructions where Metalier Clear Coat has been applied:

- Metalier Coatings which are protected by Metalier Proprietary Clear Coat are easily maintained and should only need dusting with a soft cloth and occasional cleaning.
- Dust surfaces with a damp microfibre cloth or soft material cloth.
- If water alone does not clean the surface then use a mild cleaner such as Palmolive Antibacterial Dishwashing Liquid - 1% cleaner to 99% lukewarm water. Then rinse the surfaces with clean water. Do NOT soak the surfaces.

### b) Cleaning instructions where Metalier Clear Coat has not been applied:

- Metalier Coatings are created using real metal. Metal tarnishes and oxidises with age so the finish will change gradually with time.
- Dust surfaces with a microfibre cloth.
- Wetting the surface will accelerate any changes taking place naturally and should be avoided if possible. If necessary, to clean the surface wipe them with a damp microfibre cloth or soft material cloth.
- If water alone does not clean the surface then use a mild cleaner such as Palmolive Antibacterial Dishwashing Liquid - 1% cleaner to 99% lukewarm water. Then rinse the surfaces with clean water. Do NOT soak the surfaces.

**Do not ever use aggressive chemicals or highly abrasive materials including domestic metal cleaners.**