

Information Bulletin on **Metalex Ready to Use** for the Aluminium Joinery Industry

Firstly please always refer to the Technical Data and Safety Data Sheets for this product.

TDS

SDS

There are several things to note about this formulation of the Metalex Ready To Use.

- The product, in its supplied state, if used onto to cut ends, rips and scarfs to the “reveal” timbers, will provide an envelope treatment to the “H3.1 reveal” that will comply with the requirements of the NZ Building Code.
- The product is **Ready to Use** – no mixing required
- It is available in both 1 litre and 4 litre metal containers.
- It is classed as DG9 for transport (considered “Combustible” as opposed to “Flammable”)
- Being a Category 4 Flammable Liquid, it does not trigger any specific transport requirements but still needs to be managed in a workplace as if it was a flammable liquid for storage i.e.: no ignition sources etc.
- The product uses a low flammability solvent to carry the active ingredients into the timber to provide a preservation treatment envelope that complies with the NZ Building Code.

Using the product

- Please observe the Health and Safety requirements of working with solvent based products.
- Only use in a well-ventilated area.
- Do not dilute the use of the Metalex Ready To Use (it is already in the prescribed concentration to meet the requirements of the NZ Building Code).
- The powder coat finish of the Aluminium profile is not affected by the wet Metalex Ready To Use product. However with the constantly changing technology in various powder-coating Holdfast will always recommend a preliminary compatibility test.
- Apply a single coating of Metalex Ready To Use to the cut end (scarfed or ripped) timber reveal. Note: you only need to get the Metalex Ready To Use onto the exposed area of the timber reveal (rather than all over it).
- Application may be by either brush, dipping, roller.
- There is generally no delay between application of product and stapling the reveal boards into the aluminium profile (generally within 5 → 10 minutes it is touch dry)

Gluing the Reveal Mitre.

If a company wants to use an adhesive once the mitre is touch dry you have the following choices

- Gorilla Crosslinking PVA (note does take longer to fully cure than onto dry timber reveals)
- Gorilla Glue Premium 1 Hour Cure
- Gorilla Glue Premium 3 Hour Cure
- Gorilla Grip 1 Hour Cure Construction Adhesive
- Toptec Raw Aluminium Protector (set back into the mitre joint)

All the above products will create an adhesive seal between the two mitre cuts of the timber reveal once the surface of the mitre cut is touch dry. The Metalex Ready To Use will slow down the curing process of the Gorilla PVA & Gorilla PU based adhesives above.

Reveal mitres will need to be mechanically fixed in the normal manner.

Paint coatings will not adhere to surfaces treated with Metalex Ready To Use for a period of time dependant on the paint type.

- Acrylic based coating - a period of 10 days (Ca. 20°C, 65% R.H.)
- Oil based enamel coating - a period of 3 days (Ca. 20°C, 65% R.H.) Soudal Ltd will always recommend that all surfaces to be painted to be wiped using either the Toptec Express Cleaner or Gorilla Solvent Cleaner prior to paint coating with an acrylic coating system so as to achieve a superior paint finish. This is considered best practice.

Post Window Installation

It should be noted that dust and contaminants will stick to the overflow of the Metalex Ready To Use.

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Where the final appearance of the revel is a natural timber finish.

With any wood product (Plywood or Solid Timber) you will get "draw" (to different extents) of the "Metalex Ready To Use" up the grain (end grain more so that side grain due to porosity of the timber grain). The Metalex Ready To Use is solvent based and as such may/will change the visual colour of the timber that has been exposed to the Metalex Ready To Use. With the use of Metalex Ready To Use as an envelope supplementary treatment, if you are going to then clear coat it, you need to coat the full face of the board with the Metalex Timber Preservative so that the finish is consistent across the timber face. If the final coating on the revel was to be a full colour, there is no need to coat the full face of the timber as the "draw" line would not be visible.

Health & Safety

- Only use outdoors or in a well-ventilated area
- Wash hands after using this product and prior to consuming food and drink
- Keep away from heat/ sparks/ open flames/ hot surfaces – No smoking
- Wear protective gloves/ protective clothing/ eye protection/ face protection
- Avoid release to the environment
- Store in a well-ventilated place. Keep Cool
- Being a Category 4 Flammable Liquid, it does not trigger any specific transport requirements but still needs to be managed in a workplace as if it was a flammable liquid i.e.: no ignition sources etc.
- Regarding Exposure Controls/Limits: o These limits are published by Worksafe and are updated regularly. o To test for them it is best to engage a third party monitoring company eg Air Matters based in Tauranga. Who will bring in their equipment and measuring protocols within the workplace and will provide a report on the analysis. o Best practice is that this is carried out every 5 years or if there is a significant change in conditions in the workplace. o If the findings of these

show exposure in excess of the WES then improved ventilation will need to be put in place as well as mandatory PPE.

NOTE :

All solvent based products used on the manufacturing premises will come under this (Exposure Control Limits) requirement over time;

Regarding Exposure Controls/Limits (Other Solvent based products used)

- These limits are published by Worksafe and are updated regularly.
- To test for them it is best to engage a third party monitoring company eg Air Matters based in Tauranga. Who will bring in their equipment and measuring protocols within the workplace and will provide a report on the analysis.
- Best practice is that this is carried out every 5 years or if there is a significant change in conditions in the workplace.
- If the findings of these show exposure in excess of the WES then improved ventilation will need to be put in place as well as mandatory PPE.