

Code	Description	Size	Colour
44220	Metalex Ready To Use Green 1 Litre	1Lt	Green
44221	Metalex Ready To Use Green 4 Litre	4Lt	Green

1. Description

Metalex Ready To Use protects timbers and timber products from insect attack, fungal decay, warping, cracking, weathering, cupping, swelling and grain rising. It is ideal for the end sealing and protection of timber reveals used in the window joinery industry as a simple ready to use solution to achieve compliance with the NZ Building Code.

It's ideal for susceptible timbers used as decking, bearers, joists, framing, joinery, handrails, playgrounds or other high risk areas. It can be used in remedial treatment situations or as both a preventative to preserve the treatment envelope. Metalex Ready To Use dries clear whilst enhancing the natural look of the timber.

2. Characteristics

- Features dual action active ingredients in a safe solvent carrier.
- Long standing and successful active ingredients:
- Copper Napthenate – are renowned fungicide
- Non-acidic – will not corrode typical metal fittings or powder coated finishes
- Contains special waxes to help reduce the effects of weathering
- Comes ready to use – no on-site mixing required

3. Technical Data

Base:	29-30g/L Copper present as Copper Napthenate in a refined hydrocarbon solvent.
Consistency:	Liquid

4. Applications

- For the end sealing of H3.1 Timbers (including H3.2, H4, H5) as used in the construction and window joinery industries.
- Preservation of the treatment envelope of timbers in accordance with the NZ Building Code and above
- Preventative or in remedial treatment for hardwood timbers used outdoors in varying climates.

5. Packaging

1L tin, 4L (net content)

6. Shelf Life

12 months from date of manufacture if stored out of direct sunlight (20°C 65% R.H.)

7. Building Product Information

Manufactured By Soudal Ltd
Distributed By Soudal Ltd

Relevant Building Code Clauses

- Clause B2 DURABILITY: Performance B2.3.1 (a) 50 years, B2.3.1 (b) 15 years and B2.3.1 (c) 5 years
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

Contribution to compliance With NZBC

B2.3.1 (a) 50 years, B2.3.1 (b) 15 years, B2.3.1 (c) 5 years: This product is formulated as a supplementary envelope treatment for H3.1, H3.2, H4, H5 timbers when applied in accordance with the relevant Soudal product technical information. It provides this durability in line with the original H-Treatment classification of the timber it is being applied too when installed and maintained in accordance with the relevant Soudal product technical information. soudal.co.nz. Soudal maintains management and production records within its ISO9001:2015 Quality Management System.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Soudal's product installation instructions and does not present a health hazard to people occupying or using the building structure. Refer to the Soudal Product Technical Data sheet and product Safety Data Sheet soudal.co.nz for further information if required.

8. Application Instructions

Surface preparation:

Ensure surface is clean and dry, free of dust and grease and other contaminants. For mouldy, dirty or stained timber surfaces use a reputable "wood cleaner" product prior to application, following the label instructions and allow to dry overnight. SURFACES MUST BE DRY BEFORE APPLICATION.

Note:

Wet Timber may repel Metalex Ready To Use leaving treatment partially ineffective (less penetration).

Mixing:

Product is ready to use so no mixing required. Shake can well before using.

Rate:

Apply evenly at a rate of 1 litre per 4 – 8 square mtrs, depending upon the timber species, moisture content and surface condition of the timber.

Equipment

For application: Brush, Dip & Roller.

Drying:

Touch dry 5 – 10 minutes (@20° C R.H.65%).

If required, a recoat period is 24 hours @20° Celsius. Do not walk on treated surface for 3 hours minimum after application.

Clean up:

Equipment can be cleaned in Mineral Turpentine or Gorilla Solvent Cleaner.

Re-coating:

Depending upon its exposure to the elements, timber will need reapplication coats at intervals initially of 6 to 12 months and then at longer periods up to 3 to 5 years. Exterior surfaces exposed fully to the sun and weathering may need to be done more frequently e.g. Coastal areas.

Over-Painting

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 recommends that all surfaces to be painted to be wiped using either the Soudal Soudaseal 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.

Soudal recommends preliminary compatibility tests on surfaces on which Metalex Ready To Use have not been applied previously.

General comments

- The Metalex Ready To Use is not designed to be mixed with other solvents as it is formulated "Ready To Use". If further dilution is required use only D80 Solvent(s).
- Allow at least 24 hours between coats if 2nd coat is required. All cutting and drilling, moulding and planing should be touch dry within 2 hours.
- Metalex Ready To Use can be used on outdoor furniture, however care must be taken not to use furniture until the coating is completely dry (at least 24-48 hours following final coating if weather conditions are at 20° C R.H.65%).
- Please read and fully understand the safety instructions and application rates as stated on the approved label prior to using.
- Metalex Ready To Use is a solvent based fungicide timber preservative suited for exterior or exposed timbers, particularly untreated hardwoods.
- Metalex Ready To Use is best applied only when the timber is dry and free from dirt, sawdust, or other coatings.
- Clean up application equipment with suitable solvent cleaners.

9. Limitations

Metalex Ready To Use **will not provide an H-Class treatment to timbers as per the requirements of the NZ Building Code**. It will only provide a supplementary envelope treatment to the applied timber.

Metalex Ready To Use is not designed for use on H1.2 Framing Timbers. To do so is against the NZ Building Code.

While Metalex Ready To Use will protect against the “Rotting” of timbers it is not a rot converter of degraded timber substrates.

Painting over Metalex Ready To Use: If using a solvent thinned (mineral turpentine) base then you will need to wait a minimum 7 → 10 days between application of the Metalex and an acrylic coating. If using an oil based paint/stain coating then Soudal recommends a period of 2 → 3 days between application of the Metalex and a coating. It is recommended that a preliminary test be carried out to ensure that the desired result is achieved.

Metalex Ready To Use will protect timbers against insect ingress, however it will not kill insects in the timber that the thinned solution does not absorb to. It will only protect to the depth that it can be absorbed in the timber.

Metalex Ready To Use will protect timbers against fungal attack, however it will kill any fungal spores to the depth that the thinned product can be absorbed into the timber.

Metalex Ready To Use is not a registered animal husbandry product.

WARNING: This product is designed for outdoor use. Indoor application may cause odour.

Metalex® Green does not react to galvanising, however to avoid risk of staining it is recommended that Metalex® Green should not be put into contact with galvanised or zinc coated surfaces until surface of material being treated with Metalex is completely dry. Further it is recommended that Metalex is not applied to 'Zincalume' coated surfaces.

10. Health and Safety Recommendation

- Apply usual industrial hygiene practises
- Please refer to the MSDS for more detailed information.

Remark

*The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. **If any clarification is required, please contact Soudal Technical Services or email info@soudal.co.nz.***

Created: 15 April 2024

Supplier contact details:	Soudal Ltd	Freephone: 0800 70 10 80
	134 Kohia Drive	Phone: (07) 847 5540
	Horotiu	
	Hamilton 3288	Email: info@soudal.co.nz
	New Zealand	Website: www.soudal.co.nz