



H1.2 Azotek® treated LVL: Surface Treatment Application Guide

Azotek® is an innovative technology for the protection of laminated veneer lumber (LVL) from decay and insects. Azotek® is added to the glue line during manufacture of LVL to deliver protection through the full cross section. In order to meet the treatment requirements for H1.2 as per NZS3640, the outer facing veneers are required to be coated with a separate Azotek® S solution after pressing and glue setting.

If a surface Azotek® S application is required at a building site or retail point, a “lamb’s wool” or swab type applicator broom commonly used to apply floor polish is recommended.

Swab application: A dilution rate of 120ml of Azotek® S concentrate per 1 litre of treatment solution is recommended. Apply the working dilution as evenly as practical at a rate of 100ml per m² to the top and bottom faces of the LVL. The glue line edges do not need to be treated.

Allow a few minutes for the LVL to become touch dry. At a dilution application rate at 100ml/m² in typical NZ conditions this should only take a few minutes. Once the LVL is dry it is treated to meet H1.2 and is ready for use.

Azotek® S dilutions in water will settle out so regular stirring is required to ensure evenness of application. The diluted mix cannot be stored. Only make up enough working dilution to complete the job. Even for large jobs, 5L batches used quickly may be the best approach.

Safety and Handling

When preparing and applying the Azotek® S dilutions, wear water proof gloves, safety glasses, full length clothing and covered footwear. Wash off immediately with water if skin contact occurs. Consult the product label and SDS for further safety recommendations prior to starting.

Ensure any drips and spills are contained and do not run off into drains or water ways.

Store the concentrate in the original container tightly closed and in a locked, dry, cool and well-ventilated area away from foodstuffs.

Questions and Answers

Question - I have purchased Azotek® glue line treated LVL without the H1.2 Azotek® S surface application. Is this ready for use as H1.2?

Answer – No, an Azotek® S surface application on the face veneers must be done in order to meet H1.2 treatment standards.

Question - I have sanded the H1.2 treated LVL and now wish to use it in construction. Does this still meet H1.2?

Answer – No, an Azotek® surface application must be re-done in that case to meet H1.2. Sanding or planing of the face veneer of LVL is assumed to have removed this surface protection.

Question – If I cut an LVL beam to length, do I have to treat the exposed end?

Answer – No. Any exposed glue line edges and notch or drill penetrations **do not** require re-treatment.

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