

Laminate-It

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Preparing Laminate-It for Use

Laminate-It is a two part epoxy resin mixed with a ratio of 1:1. When first mixed, Laminate-It will be a milky colour and as it cures it turns almost transparent. When preparing Laminate-It for use:

- Mix a smaller quantity than you think you will need to begin with;
- Ensure that both parts A and B of Laminate-It are at room temperature – between 20°- 30°C;
- If working temperatures are above 30C or quantities larger than 2 litres are being mixed, it is recommended to cool the Laminate-It containers before mixing (either by surrounding the sealed cans in cooler water or briefly placing them in the refrigerator);
- Measure out equal parts of A and B into a sturdy plastic or metal disposable container that is clean from any other materials;
- Mix thoroughly by stirring with a clean disposable implement (not a light plastic, foam brush or anything with a paint cover) until a consistent milky colour is achieved. Up to 15% volume difference in mixing ratio will not alter the cured properties significantly; and,
- If working at temperatures below 25°C, once mixed, Laminate-It should be allowed to sit for 10-15 minutes of 'pot-curing' time in order to thin out. If working temperatures are above this, use immediately. Laminate-It must be used within the pot-life times indicated.

Pot Life & Curing Times

Laminate-It Pot Life & Curing Times				
Temperature	Pot Life	Dry To Touch	Substantially Cured	Full Cure
<i>Degrees Centigrade (°C)</i>				
38	½ hour	3 hours	12 hours	1 day
21	1 hour	6 hours	1 day	2 days
13	2 hours	12 hours	2 days	4 days
4	4 hours	1 day	4 days	8 days
-2	8 hours	2 days	8 days	16 days

Several factors which affect the curing times for Laminate-It and require an 'on-the-job' judgement:

- Thicker and deeper applications of Laminate-It will take longer to cure;
- The varying day and night time temperatures should be taken into consideration when reading the table above;
- It is important to keep rain and dew away from Laminate-It while curing. If there is a high humidity, the curing time will be longer; and,
- Good ventilation and drier and warmer air will shorten the curing time.

Shelf Life

If Laminate-It is stored unopened, above freezing, and is sealed correctly it should virtually last forever! Once opened, however, if sealed correctly during uses, it will easily last a year.

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Coverage

When 'wetting' fibreglass, the weight ratio of glass cloth to Laminate-It required is 1:1. When setting timber joints or gluing plywood sheeting 1 millimetre of Laminate-It covers 1 square metre.

Application Methods

- 💧 **Brushing** – Only use natural bristle brushes with Laminate-It as foam brushes will melt.
- 💧 **Injecting** – A high quality medical or solvent syringe is required, or it can be carefully poured from a solid plastic pouring container into hard to reach cracks and holes.
- 💧 **Cloth Dabbing** – When wetting fibreglass cloth, or a precision is required, a disposable non-fibrous cloth can be used to carefully 'dab' Laminate-It onto the intended surface area.

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- 💧 **Rot Repair** – To aid in the repair of rotten wood (where **Fill-It** won't easily reach or to strengthen very badly rot damaged wood) apply Laminate-It onto Multi-Primed timber by brush or pouring. Senseal's **Fill-It** can then be applied to restore original shape.
- 💧 **Wood Jointing & Plywood Sheeting** – Apply Laminate-It to both surfaces and allow them to sit for half the pot life before lightly clamping them together. Apply sufficient Laminate-It for absorption into the timber to avoid 'starving the joint' especially on end grain, soft plywood sheeting or rough surfaces.
- 💧 **For Fibreglass Lay-Up** – Laminate-It is used like any other fibreglass resins but has the following advantage: because there is no appreciable 'blush' on the surface of Laminate-It once touch dry, you do not need to sand it before applying another fibreglass layer!
- 💧 **Cleaning Up** – Senseal's **Epoxy Clean-It** will dissolve Laminate-It before it has 'gelled' and allow for excess Laminate-It to be wiped clean. Once cured there is no way to remove it.
- 💧 **Using The Right Glue** – For thicker consistency glue use Senseal's **Glue-It**. For maximum flexibility and stress absorption use Senseal's **Tropical Hardwood Epoxy Glue**.

Safety Precautions	First Aid Instructions
<ul style="list-style-type: none"> 💧 Avoid contact with eyes – wear eye protection when mixing or using. 💧 Avoid contact with skin – wear gloves or protective cream. 💧 Avoid breathing dust or vapour – ensure adequate ventilation when using and curing. 💧 In confined areas, users must wear approved respiratory protection for organic vapours. 💧 Keep away from heat, sparks and flame – no smoking. 💧 In case of a spill, absorb, scoop or shovel up and dispose of in accordance with Local Government Regulations. 	<ul style="list-style-type: none"> 💧 If ill effects occur, remove person to fresh air and get prompt medical attention. 💧 If skin contact occurs, wash promptly with soap and water. 💧 If eye contact occurs, flush with plenty of water for at least five minutes and get prompt medical attention. 💧 If swallowed, do NOT induce vomiting – give a glass of water. 💧 If poisoning occurs, contact a doctor or Poisons Information Centre Telephone 13 11 26.