

WOODLOK WL8000 Marine Grade Structural Epoxy

WOODLOK WL8000 1:1 Structural Epoxy is a two part thixotropic, solvent free epoxy gel formulated for professional use.

WL8000 is suitable for bonding structural elements fabricated from wood, fibreglass, aluminium, metal (ferrous and non ferrous), stone & marble, concrete, GRP, some plastics and most common building materials.

It is 100% waterproof and has excellent chemical and abrasion resistance, making it ideal for industrial and commercial environments. Its gap filling qualities will bridge and strengthen irregular joints.

WL8000 is favoured by woodworkers, boat builders, commercial joiners and builders.



PHYSICAL & CHEMICAL PROPERTIES:

Chemical Description :	Epoxy
Appearance :	Tan when mixed (similar to wood)
Typical Viscosity:	Thixotropic Gel
Solids Content	100% (Solvent Free)
Coverage :	1-3m ² per L
Open Time @ 20°C	20-30mins
Cure Time @ 20°C	12 hrs (3-7 Days for full cure)
Shelf Life :	24 Months
Sizes:	500ml, 1ltr, 2ltr, 4ltr, 8ltr & 20ltr kits

SUBSTRATE PREPARATION :

All surfaces to be glued must be clean and dry and free of foreign matter.

Timber: Do not use on Boric treated timber. Partial loss of adhesion can result. Plane and sand surface to a fair condition. Cross hatch sand with 100 grit paper.

Steel & Aluminium: Abrasive blast clean to give a sharp profile. Alternatively abrade with medium 80-100 grit sandpaper. Clean thoroughly with Glue Guru Acetone prior to gluing.

GRP: Degrease and cross hatch sand with 60-100 grit paper. Polyester must be fully cured. Take special care as surface wax may be present and must be removed. Clean thoroughly with Glue Guru Acetone prior to gluing.

Masonry & Engineered Stone: It is important that the substrate is completely dust free. Vacuuming the surface is ideal; this will remove debris and allow the adhesive to penetrate the substrate. For glossy surfaces it is recommended to abrade as above.

Plastics & Rubbers: Abrade with medium 80-100 grit sandpaper. Clean thoroughly with Glue Guru Acetone prior to gluing. Note: Due to the vast amount of plastics and rubbers available a pre adhesion test is recommended.

MIXING INSTRUCTIONS :

Measure out equal quantities by volume or weight onto a flat board and mix thoroughly. Apply immediately to the clean, prepared substrate. Do not alter the mix ratio or you will experience a slower cure and lower physical strengths.

APPLICATION:

For best results, temperatures should be above 8°C for both the work area and the stock being used.

Apply with a clean spatula or notched trowel to prepared surfaces and clamp lightly together. Assembly time (from application of glue to application of pressure) should not exceed 30 minutes, and in general, should be **as soon as possible** after glue application.

Apply sufficient glue to result in a small amount of squeeze out when parts are assembled.

PRESSURE :

Clamp or weight for a minimum of 12hrs but for best results clamp for as long as possible.

Pressure may be applied by spring clamps, "C" clamps, wood clamps, vacuum bags, mechanical or hydraulic presses. **DO NOT** over clamp as glue starvation may result.

SETTING TIME :

The cure time will be 12hrs @ 20°C. Cure times will be a lot quicker at elevated temperatures especially above 35°C. Lower temperatures will produce a much slower curing time. Full cure is 3-7 days.

SPECIAL NOTE :

The suitability of **WL8000** for some Exotic timbers, (e.g.: Teak) should be treated with care. Sharp planner blades are a must. Dull blades will glaze the timber and prevent adhesive penetration. Ideally the adhesive should be applied as soon as possible after planning.

CLEAN UP :

Use Glue Guru Epoxy Solvent or Acetone for cleaning tools and spills. Always wear gloves when using this product. Cured glue can be removed by mechanical means only.

HANDLING & STORAGE :

Keep lids on the containers when not in use to avoid glue contamination. Product should be stored between 5°C and 25°C on a wooden pallet and kept from freezing. Keep out of direct sunlight and away from sources of heat.

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WOODLOK WL8000 Structural Epoxy Cont.

DISPOSAL :

When the container is empty, remove the lid and dispose of in normal rubbish.

SHELF LIFE:

Best used within 24 months from date of manufacture when stored under the above conditions in the original unopened containers.

CAUTION:

Because of its consistency, this is an unfiltered product. Whilst the raw materials conform to narrow specifications, some discreet particles may be evident. These will sand easily, and over-coating with a 2-component epoxy laminating resin or sanding sealer is recommended.

Contains no isocyanate. Epoxy resins and amine resin hardener constitute the reactive components of this system. Use disposable plastic gloves to avoid skin contamination. If resin comes into contact with skin, wash uncured resin off with an Industrial hand cleaner. Epoxy solvent should never be used to wash hands. Wear safety glasses to avoid eye contamination.

Can cause topical dermatitis if in prolonged contact with skin. Wear safety glasses to avoid eye contamination.

WOODLOK PRODUCT RANGE

There are other adhesives within the WOODLOK range. These all have different attributes and need to be selected according to your requirements.

WOODLOK 2200 Aliphatic Resin

Cost effective Aliphatic with long open time of up to 15 minutes. Excellent for laminating full sheets of MDF and Particleboard. General purpose

WOODLOK 2300 Premium Aliphatic Resin

High strength, fast setting Aliphatic for general use. Excellent all-rounder and our most popular WOODLOK aliphatic resin.

WOODLOK 2400 Hardline Aliphatic Resin

High strength, fast setting Aliphatic which dries to a hard glue line. Best sandability.

WOODLOK 2500 D3 Crosslinking Adhesive

Water resistant (D3) crosslinking adhesive cures to form a tough, heat resistant (100°C) bond. Excellent all-round to interior and exterior use. Used for bonding HPL laminate to MDF or particleboard.

WOODLOK 2550 D3 Crosslinking High Viscosity

Higher viscosity (thicker) version of the WOODLOK 2500 Crosslink. Longer open time.

WOODLOK 3150 Melamine Adhesive (NEW)

Ready to use, single pack adhesive formulated for bonding synthetic laminated panels (Melamine) to MDF, particleboard and other porous substrates. Easy to apply and dries clear.

WOODLOK 3010 - 10min / 3030 - 30min / 3090 - 90min

Next generation thixotropic gel polyurethane construction adhesive. Waterproof. Ready to use, single part adhesive uses the latest technology to deliver extreme bond strength and hard glue lines. Easy to dispense 300ml standard cartridges in three cure speeds.

WOODLOK 3500 - 4hour / 3600 - 30min

Moisture cure interior / exterior liquid polyurethane adhesive. Waterproof and resistant to heat and chemicals. Bonds virtually any surface like metals, stainless steel, wood, stone, glass, most plastics and other difficult surfaces.

WOODLOK 8000 Marine Grade Structural Epoxy

Easy mix 1:1 thixotropic epoxy for bonding wood, concrete, fibreglass, stone and marble, metals and some plastics

WOODLOK GLAZEAWAY Solvent Cleaner

Solvent for final cleaning PVC edges and counter tops.

WOODLOK DSOLVAWAY Citrus Cleaner

Citrus cleaner for final cleaning PVC and ABS Edges and tops. Low odour, high performance surface cleaner.

INDUSTRIAL GRADE ADHESIVES FOR THE PROFESSIONAL

WOODLOK™