

NIGHTINGALE SUPPLY

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TECHNICAL DATA SHEET

GRASP SA 49

Aliphatic Wood Adhesive

➤ **DESCRIPTION:**

Is a high performance aliphatic wood glue which when cured gives higher bond strengths than standard PVA adhesives in general carpentry applications. Grasp SA 49 is fast setting and has fair degree of water resistance.

➤ **SPECIFICATION:**

APPEARANCE:	LIGHT YELLOW
VISCOSITY:	4500 – 5500 CPS (Brookfield 4/20/25)
SOLIDS:	APPROX. 49-52%
CLEAN UP:	Warm soapy water
SPECIFIC GRAVITY:	1.06 g/ml

➤ **APPLICATION:**

Timber surfaces to be glued should be clean, dry and free of oil, grease etc. Where practicable, light sanding is recommended before gluing. Joints should be close fitting. Timber moisture content should be in the range of 7-10%

Glue may be applied by brush, roller or squeeze bottle. Where practicable, apply to both surfaces of the joint. Recommended spread rate 3-5 square metres of glue line per litre of adhesive. Avoid use of metal containers or utensils as timber staining may result.

➤ **ASSEMBLY TIME:**

Is the period between spreading the glue and the application of pressure. Permitted assembly time will depend on the type and moisture and content timber, and on ambient temperatures and humidity.

Open assembly time, where the spread surfaces are left exposed, should not exceed three (3) minutes under moderate conditions (21° C).

Closed assembly time where the spread surfaces to be bonded are brought together but are not under pressure, should not exceed ten (10) minutes under moderate conditions.

At higher temperatures the permitted assembly time will be reduced. Under all conditions, the glue line must not be allowed to dry out before the application of pressure.

The presence of glue squeeze out after pressure is applied generally indicates that permitted assembly time has not been exceeded.

➤ **CLAMPING:**

Apply sufficient pressure to ensure close contact between the joint surfaces with some glue squeeze out. Minimum recommended pressures are 50 psi for softwood and 100 psi for hardwoods.

➤ **CLEAN UP:**

Where necessary, wipe excess glue from the joint with a clean damp cloth.

➤ **STORAGE:**

Store out of direct sunlight in sealed plastic containers. This product will store for 12 months in a cool factory area.

➤ **PACKAGING:** 500ml, 1 litre, 4 litre, 20 litre

The information presented is believed to be accurate, however, no guarantee is implied or given. User should conduct their own testing to determine the suitability of any product for a particular purpose.