

TECHNICAL DATA

Urea formaldehyde Powder Resin

ONE STEP SUPER WOOD BOND

One step Super Wood bond, Powder Resin, is for simple Application. It does not require hardener or hot processing. One step Powder Resin is already mixed urea formaldehyde resin Powder which requires only a simple mixing before used. It produces an excellent bond on porous and semi porous materials such as wood working, Plywood, particleboard, fiberboard and among others.

One step super wood bond is very suitable and highly recommended be use on:

1. Production of wooden furniture and wooden handicrafts.
2. Door, window and other builder's woodworks
3. veneering, laminating, paneling, and edge-gluing operation
4. wood flooring
5. carpentry and reparation on wooden products

The advantages of one step powder resin:

- it produces a strong and highly water resistant bond
- unlike PVA base wood adhesives, One step Powder resin does not shrink when cured. Therefore create no hollow contact between glue surfaces.
- When cured, it is unaffected by moulds, fungi, bacteria, oil, gasoline and solvent.
- Formulated with special pre-blend filler with natural wood color. Holes, gaps or uneven surfaces in wood are filled or covered easily and seamless.
- One Step Powder Resin is water base, so equipments used in the process are easy to clean or maintain.
- It is convenient carry and most suitable where volume and schedule of work is unpredictable.
- It has 9 months storage life and unflammable.

The simple and easy preparation is ideal where inexperienced personnel are responsible for mixing the adhesive or where mixing equipment is limited.

*One Step Powder Resin can be used for
Both hot and cold pressing operations.*

It complies with federal specification MMM-A-188b, Type II

Product Specifications

Form	Powder
Colors	Light tan & brown
Viscosity at 30°C	2500 - 4000 cps
Gel time at 30°C	40 – 120 minutes
Storage Temperature	30°C max

Note : *Specification can be adjusted per Customer requirements.*

Application Direction

	<p>1. Mixing</p> <p>Pour powder on a suitable container. To avoid waste, mix only sufficient amount needed for 1 hour use and add cool water. Recommended ratio by weight is 10 kg powder to 5 kg water Ratio by volume is 2 parts of powder to 1 part of water or 66 % of powder to 34 % of water.</p>
	<p>2. Stirring</p> <p>Stir thoroughly until the mixture becomes a smooth paste free of lumps.</p>
	<p>3. Applying</p> <p>use brush or piece of wood to spread glue mixture thinly on the surface. One side is enough. Make sure the surfaces to be glued are clean, free from moisture, grease or dust.</p>

	<p>4. Clamping</p> <p>clamp or press while the glue mixture is still wet or tacky to touch as little glue squeeze-out from the joint upon pressing indicated adequate glue spread. Wipe out excess glue with white cloth before it dries. Clean all tools, equipment and containers with warm water well within one hour after mixing.</p>
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Clamping time

Clamp under pressure while glue is still wet for 4-5 hours for soft wood, and for hard wood 6-8 hours at 30°C longer time is needed for lower temperature. Maximum strength achieve after 4-5 days of application.



PACKAGING AND SHIPPING INFORMATION

Packing	1 kg	Packed in carton with double inner polyethylene liner heat seal, 16 pcs (Small carton) x 1 kg / corrugated carton
	2 kg	Packed in carton with double inner polyethylene liner heat seal, 8 pcs (Small carton) x 1 kg / corrugated carton
	13 kg	Packed in plastic pail complete with lids and double inner polyethylene liner, heat seal
	25 kg	Packed in woven polypropylene bags (WWP bag) or paper bag carton with double inner polyethylene liner, heat seal