



Since 1990

DECCOBOND 110

Carpenter Glue

DESCRIPTION:

DECCOBOND 110 is a polymer based emulsion adhesive formulated for modern gluing operation where fast setting time with good bond strength is required.

APPLICATION:

DECCOBOND 110 is commonly referred to as Carpenter's Glue. It is designed for wood working, assembly, furniture construction, delicate fabrication work where speed is required in setting. It gives a setting time of 12 to 15 minutes at 20 degrees C, with a cure time of 24 hours. **DECCOBOND 110** can also be used to glue paper, foam, cardboard, lamination, overlaying and for foam application where yellowish color is not a problem.

PREPARATION & USAGE:

DECCOBOND 110 is supplied ready to use and do not require mixing. The wood surfaces to be glued must be prepared to ensure good bonding. Surfaces to be glued must be cleaned and free from dust. Grease or oil, if present on the wood must be removed and surface cleaned with solvent or thinners. In case of resinous wood species, clean with alcohol rub or solvent and allow the surfaces to dry before gluing takes place. This will enhance the bonding strength. It is important to check wood moisture content of the wood.

Minimum moisture content: 5%
Maximum moisture content: 15%
Ideal moisture content: 7 to 10%

Spread rate:

1.7 to 2.5 kg per 10sq.meter, with single glue line recommended. Allow sufficient spread to ensure a definite squeeze out when joint is pressed. Spread is dependent on nature of the surface and type of wood.

Assembly time:

The assembly time varies and is dependent on the species of wood and moisture content. It is also affected by the room temperature, relative humidity, glue spread, etc. and can be determined by regular use.

Open assembly time:

As short as possible

Closed assembly time:

10 to 15 min. at 20 kg/100sq m. to 25kg/100 sq.m.

Pressure:

For good bonding and to ensure good surface contact, the following is recommended.

Smooth surface: 40 - 80 psi
Medium surface: 60 - 120 psi
Rough surface: 100 - 150 psi

Excessive pressure on smooth surfaces may staved glue lines. Similarly, high pressure on hard wood may also starve glue lines if insufficient spread is provided.

Pressing time:

Pressing time and pressure varies with species of wood, moisture content of wood, room temperature, relative humidity, surface preparation & etc. As a guide, the following re recommended:

8 degree C 30 to 35 min
15 degree C 15 to 20 min
20 degree C 10 to 15 min

It is best to determine time from actual usage and conditions. In some species of softwood, it can be reduced to 10 to 12 min. at 25 degrees C.

Sanding:

It is best to allow squeeze out to dry and harden and then sand to reduce gumming of sandpaper. Alternatively, remove squeeze out with adhesive spreader and allow to dry before sanding.

CLEAN UP:

Brushes, rollers, glue guns & spreaders can be easily cleaned with water & sponge. Warm water cleans better. To prevent damage, keep application equipment in water after use for easier cleaning.

STORAGE:

DECCOBOND 110 is stable. Stores well for at least 9 to 12 months at room temperature of 20° C. Do not store next to heaters or very high temperatures of 65° C or more. **DECCOBOND 110** is packed in plastic or polyethylene containers. Do not store in unlined metal containers as there will be reactions between the adhesive and the unlined container resulting in dark stains and contaminants. **KEEP FROM FREEZING.**

LEED Credit:

DECCOBOND 110 may contribute to LEED certification projects based on the following categories.

LEED CREDIT	
LEED (Version 3.0)	LEED Point
Regional Materials (MR Credit 5.0)	2
Low-Emitting Materials (IEQ Credit 4.1)	1

VOC Compliant:

SCAQMD Rule #1168 (South Coast Air Quality Management District)



PHYSICAL PROPERTIES			
Type	White emulsion	Viscosity	2,800 – 3,800 cps
Appearance	White	Odor	Mild to None
Solids	53.5–55.5 %	Flammability	Non-flammable
Specific Gravity	1.112	VOC	1.1 g/L

PACKING INFORMATION	
Size	Pail/Pallet
5 gallon pail	36
55 gallon drum	-
275 gallon tote	-



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