



NORDPOX 2019

WHY TO CHOOSE NORDPOX

- Nordpox is a thermoset product composed by polymerization of resin and stiffener.
- Thermoset resins don't be liquefied after they are once stiffened.
- As distinct from other glues, a highly strong product has been developed by means of three-dimensional covalent bond. This product is elastic and resistant to external effects and has a high heat resistance.
- Once stiffened, this product shows a high resistance to sea water and chemicals.
- It doesn't involve solvent and phenylic acid.

FIELDS OF USE

- This is an epoxy resin system used to stick two materials to each other.
- It has a wide range of uses such as wood, metal, fiberglass and various plastics.
- Apart from its adhesive feature it can be used in production of priming. If some various powders (fiber powder, tree powder, glass bubble etc.) are added, it can be used as a priming while filling holes.
- It produces good results in repair of old furniture and fiberglass boats as well as in new constructions. When used together with filament, it helps to protect wooden surfaces well from external damages.
- It can be used for osmosis treatment in fiber boats.

PREPARING THE SURFACE

- The surface where the glue will be applied should be clean and dry. It should be completely cleaned from oil, rust, dirt, dye and other contaminants.
- Rub the surface with emery in order for resin to stick easily. It's advised to use 100-180 grits for woods, 80-120 grits for fiberglass and a sheet for metals.
- After emery, remnants and inclusions should be cleaned from the surface with epoxy thinner code 9003.
- While applying it to wooden materials, be careful that the humidity of the material should be under 12%.
- For the epoxy to stick well on metal surfaces, a prong should be opened or a rasp of 2 ½ deviation should be done.

PREPARING MIXTURE

- Glue and stiffener should be mixed according to the rates given on the package.
- After adding stiffener to glue, mix well until it becomes totally homogeneous.
- The glue that is added stiffener should be used up otherwise it will be stiffened later.
- Additional powders should be added after resin and stiffener are mixed homogeneously.
- Be careful about exposure time of the mixture.
- If a new mixture of stiffener and glue is prepared in a container where some of the old mixture remains, the exposure time of the mixture becomes shorter.
- Preparing too much mixture causes resin to be cured in the container and as a result high temperatures exist. High temperature can melt the container and cause a risk of fire.



STORING CONDITIONS

- Epoxies are affected negatively by cold weather conditions. Storage of epoxies in cold weather conditions cause resin and stiffener viscosity to increase.
- Cold ambience thickens the resin and stiffener and hardens them to glide.
- In extreme coldness crystallization may occur.
- To solve the crystallization and turn the epoxy to normal viscosity, heat the resin (component A) to 25 – 30°C in a container filled with water.
- The most suitable storing temperature for Nordpox is 20°C.
- Protect from the direct exposition to sunlight.
- Storing period is 18 months from the production date.

APPLICATION INFORMATION

Dry film thickness	100 micron
Practical covering capacity	6 – 9 (m ² /lt)
Thinner	Not required. Epoxy thinner code 9003 if necessary.
Mixing ratio (by weight)	3 A / 2 B
Application temperature	+15°C – +40°C
Application mode	Brush, roller, spray gun

PRODUCT INFORMATION

Colour	Transparent
Finish	Gloss
Binder	Epoxy resin
Solids by volume	%100
Density	1.10 gr/ml (+/- 0.2)
Unit size	0.150 kg - 1.5 kg - 50 kg

DRYING/OVERCOATING INFORMATION

Temperature	Pot life of the mixture	Overcoating time	Fully cured
25 °C	20 – 25 mins	12 – 14 hour	7 day

SAFETY INFORMATION

Avoid contact with skin and eyes. Can cause dermatitic skin reactions. Always use gloves and goggles and keep skin protected with overalls. Any accidental skin contact should be immediately washed off with soap and water. Do not eat, drink or smoke in mixing or application areas. Wear suitable respiratory protective equipment.