

NAUTIC EPOXY ADHESIVE

Description:

NAUTIC EPOXY is a two-component epoxy resin-based product for professional use. The adhesive has very good physical and mechanical properties. It is used to join and fasten construction elements made of epoxy or polyester laminates that must be thoroughly grinded and degreased in advance in order to improve their adhesiveness. Nautic EPOXY is easy to apply and has low shrinkage. Its properties ensure durable and strong connections.

The Nautic EPOXY adhesive is available in two versions with a different application life, depending on the hardener used: Component B 60 or Component B 120.

Substrates:

- epoxy laminates,
- polyester laminates,
- plywood,
- wood.

Caution: The adhesive should not be applied directly on one-component acrylic and nitrocellulose products.

Surface preparation:

- epoxy and polyester laminates: degrease, dry grind P80 – P120, degrease again with a silicone remover,
- plywood, wood: dry grind P80 – P120, then remove dust.

Mixing ratio:

NAUTIC EPOXY Component A – 100 parts by weight and Component B 60 – 50 parts by weight,
NAUTIC EPOXY Component A – 100 parts by weight and Component B 120 – 50 parts by weight.

Application life after mixing with the hardener:

NAUTIC EPOXY Component A and Component B 60 – [50-70 min.],
NAUTIC EPOXY Component A and Component B 120 – [110-130 min.].

Colour:

NAUTIC EPOXY Component A: White,
NAUTIC EPOXY Component B 60: Blue,
NAUTIC EPOXY Component B 120: Green.

Procedure:

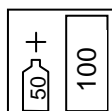
Mix the components thoroughly. Observe the required amount of hardener. Apply a layer not thicker than 10 mm with a trowel. Minimal application temperature: +10°C.



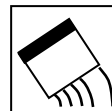
Clean and grind
the surface



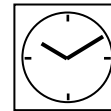
Degrease



Ratio by weight:
Comp. B 60
Comp. B 120



Apply



Comp. B 60: 24 h
Comp. B 120: 48 h

Mass density:

NAUTIC EPOXY Component A: 1.2-1.3 g/cm³
NAUTIC EPOXY Component B 60: 1.25-1.35 g/cm³
NAUTIC EPOXY Component B 120: 1.27-1.37 g/cm³

Chosen properties:

Type of adhesive	Tear strength [MPa]	Ultimate elongation [%]	Bending strength [MPa]	Maximum deflection bend test [%]
Nautic EPOXY 60	50÷60	2.5÷3.5	80÷90	4÷5
Nautic EPOXY 120	35÷45	1.5÷2.5	65÷75	3.5÷4.5

Resistance tests have been carried out according to the norms PN EN-ISO 527 and PN EN-ISO 179. The examination has been performed after 24 h plus aging for 16 h at 50°C in order to produce the samples.

Type of adhesive	Viscosity [mPas]
Nautic EPOXY Component A	90 000÷100 000
Nautic EPOXY Component B 60	45 000÷55 000
Nautic EPOXY Component B 120	25 000÷35 000

Equipment cleaning:

NC solvent.

Storage conditions and shelf life:

Store in tightly sealed containers in a cool and well-ventilated place, away from sources of fire and heat. Avoid direct exposure to sunlight.

NAUTIC EPOXY Component A: 12 months at 20°C,
 NAUTIC EPOXY Component B 60: 6 months at 20°C,
 NAUTIC EPOXY Component B 120: 6 months at 20°C.

Safety requirements:

See the Safety Data Sheet of the product in question.

Packaging:

NAUTIC EPOXY is delivered in unit packages individually agreed upon with the customer.

The effectiveness of our systems results from laboratory research and many years of experience. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good construction practices. We may not be held liable for defects if the final results were affected by factors beyond our control.

NOVOL Sp. z o.o., Komorniki, PL