

NAUTIC MULTI ADHESIVE

Description:

NAUTIC MULTI is a polyester adhesive for professional use in the construction of yachts, boats, canoes, caravans and other laminate structures. NAUTIC MULTI is a universal adhesive and may be used both as a resistant assembly adhesive and for sandwich constructions. It has a low mass density (NAUTIC MULTI 15: 0.89 g/cm³, NAUTIC MULTI 30: 0.85 g/cm³) and excellent adhesive properties with different types of substrates. A carefully chosen thixotropy makes it possible to apply it in thick layers (even up to 3 cm), at the same time ensuring a good pore penetration of foams used in sandwich constructions.

NAUTIC MULTI is available in two versions: Nautic Multi 15 and Nautic Multi 30. They differ in gelation time (15 and 30 minutes, respectively). The versions Nautic Multi 15W and Nautic Multi 30W are equipped with a colour change indicator that shows if the adhesive has been properly mixed with the hardener.

Substrates:

- polyester laminates,
- epoxy laminates,
- plywood,
- wood,
- rigid polyurethane and PVC foams.

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

Surface preparation:

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

Mixing ratio:

NAUTIC MULTI – 100 parts by weight,
Hardener – 1 to 2 parts by weight.

Supplementary products:

Hardener – methyl ethyl ketone peroxide (e.g. METOX 50).

Application life after mixing with the hardener:

NAUTIC MULTI 15: 10 to 20 minutes at 20°C (hardener: 2 %).

NAUTIC MULTI 30: 30 to 40 minutes at 20°C (hardener: 2 %).

Curing time:

NAUTIC MULTI 15: 1.5 to 2 hours at 20°C (hardener: 2 %).

NAUTIC MULTI 30: 2 to 3 hours at 20°C (hardener: 2 %).

Colour:

NAUTIC MULTI 15 – light green

NAUTIC MULTI 30 – pistachio

Coatability:

Polyester finishing filler, polyester spray filler, acrylic primers.

Procedure:

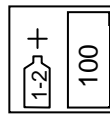
Mix the components thoroughly. Observe the required amount of hardener. Apply a layer not thicker than 10 mm with a trowel. The viscosity of the cured surface improves the adhesion of the following layers. If needed, it may be removed with an NC solvent. Minimal application temperature: +10°C.



Clean and grind the surface

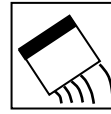


Degrease

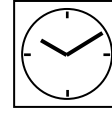


Ratio by weight:
100+1-2

Pot life:
15: 10 - 20 min./20°C
30: 30 - 40 min./20°C



Apply



15: 1.5 – 2 h/20°C
30: 2 – 3 h/20°C

Specific gravity:

15 – 0,89 g/cm³
30 – 0,85 g/cm³

Volumetric shrinkage:

2% max.

Chosen properties:

Type of adhesive	Tear strength [MPa]	Ultimate elongation [%]
Nautic Multi 15	10÷20	0.8÷1.5
Nautic Multi 30	10÷20	1.0÷2.0

Resistance tests have been carried out according to the norm PN EN-ISO 527.

Polish Register of Shipping (PRS) approval:

No. TT/1223/710250/07

Equipment cleaning:

NC solvent.

Storage conditions and shelf life:

Store in a dry and cool place, away from sources of fire and heat.

Avoid direct exposure to sunlight.

Adhesive: 6 months at 20°C.

Safety requirements:

See the Safety Data Sheet of the product in question.

Packaging:

The adhesive 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.

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