

Technical Data Sheet Politenace Beige (777)

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# Politenace Beige

## Structural polyurethane one-component adhesive

### DESCRIPTION

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Ultra-fast moisture-curing adhesive without solvents. Specific for gluing wooden elements when mechanical seal is required in a very short time (15 minutes at room temperature in compression). Thixotropic, it is suitable for vertical applications. Excellent resistance to water, temperatures, atmospheric agents and aging.

#### Tested according to:

EN 204 D4

LEED iEQc 4.1; SCAQMD 1168; BAAQMD Reg 8 Rule 51

CARB VOC Protocol

### AREAS OF APPLICATION

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It allows the structural coupling of wood even with non-porous substrates such as plastics (e.g. polyester, PVC, Polystyrene, PU foam), metals, stone, ceramic, concrete, making it particularly useful for assembly in joinery, nautical, construction and carpentry ensuring high mechanical resistance, in addition to Class D4 water resistance.

### FEATURES

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- Strong structural bonding
- Effective on damp surfaces
- Excellent adhesion on insulating materials, metals and various plastics (except PE, PP, PTFE)
- Does not stain or corrode the surface - Odorless
- Good resistance to aging and atmospheric agents (DIN 204 D4)
- Over paintable (\*) with many water or solvent based paints

## TECHNICAL DATA

<b>Appearance</b>	Thixotropic paste
<b>Chemical nature</b>	Polyurethane
<b>Curing Mechanism</b>	Moisture-curing
<b>Color</b>	Beige
<b>Density</b> [g/cm <sup>3</sup> ] (NPT method 06) (23°C and 50% RH)	ca. 1.44
<b>Skin time</b> [min] (NPT Method 17) (23°C and 50% RH)	ca. 6
<b>Initial setting time</b> [min] (23°C and 50% RH)	ca. 15
<b>Final setting time</b> [h] (23°C and 50% RH)	ca. 24
<b>Shear strength</b> [N/mm <sup>2</sup> ] (EN 205 D1; beech tree /beech tree)	≥ 10
<b>Shear strength</b> [N/mm <sup>2</sup> ] (EN 205 D4; beech tree /beech tree)	≥ 4
<b>Application temperature</b> [°C]	From +5 to +40
<b>Temperature Resistance</b> [°C]	From -40 to +100

## APPLICATION

Surfaces must be clean, free from dust and grease. Given the variety and the peculiar characteristics of any surface and any treatment that may alter adhesion, a preliminary test is recommended.

Cartridge - Cut off the threaded top. Screw in the plastic nozzle and cut it at an angle to the desired bead thickness and profile. Insert the cartridge into the gun and extrude the adhesive / sealant; quickly join the elements to be glued and compress by removing any excess product.

Once opened, the packs must be used within a relatively short time. The optimum operating temperature for both the substrate and the sealant is between 15 ° C and 25 ° C.

Tube - Pierce the protective layer and screw the plastic nozzle. Proceed with the application.

The product can be painted over (\*). The paint must be tested for compatibility by carrying out preliminary tests. The adhesive hardens with environmental and material humidity, it can swell slightly during the hardening process; to ensure controlled hardening, when bonding non-absorbent materials or materials with humidity <8%, it is recommended to spray water (about 10g water/m<sup>2</sup> for 150g adhesive/m<sup>2</sup>).

## CLEANING OF EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

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Clean the tools used with acetone or solvent. When the adhesive has not yet hardened, it can be removed using paper or a cloth. Once hardened, the product can only be removed mechanically. Avoid skin contact by using latex, rubber or polyethylene gloves. If it comes in contact with the skin, remove immediately and wash with soap and water.

## PACKAGING

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Tube 60 ml - 24 pcs per box  
Tube 60 ml in blister - 12 pcs per box  
PE-cartridge 300ml: - 12 cartridges per box

## STORAGE AND SHELF LIFE

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Politenace Beige can be stored for 24 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

## GENERAL INFORMATION

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The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. NPT srl, however, guarantees constant product quality. NPT srl, has the right to modify or up-date this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

ALWAYS CONSULT THE MATERIAL SAFETY DATA SHEET BEFORE USING THE PRODUCT