

**Technical Data Sheet**

Date of issue: 27.03.2023

Revision no: 6

NP 1® High Tack

**Elastic**

# NP 1® High Tack

## PRODUCT DESCRIPTION

NP1 High Tack is a high initial tack and grab strength, single-component, moisture-curing, Silane Modified Polymer (SMP) based adhesive and sealant with high modulus.

## CHARACTERISTICS

- ✓ Has high tack properties and provides excellent initial adhesion
- ✓ Exhibits high strength after full curing
- ✓ Easy to use and fast curing
- ✓ Waterproof
- ✓ Odorless and neutral
- ✓ Easy to apply and does not require a primer
- ✓ Can be used on slightly damp surfaces
- ✓ Can be painted
- ✓ UV resistant and durable against aging
- ✓ Does not sag or flow
- ✓ Free of solvents and isocyanates; environmentally friendly
- ✓ No volume loss or bubble formation
- ✓ Non-sticky
- ✓ The color does not fade over time.
- ✓ It has very strong and durable elasticity.
- ✓ It does not corrode upon contact with metal surfaces.
- ✓ It is resistant to temperatures ranging from -40°C to +90°C.

## Technical Specifications

Chemical Base	: Silane-Modified Polymer
Curing Mechanism	: Cures with moisture in the air
Components	: One-Component
Skin Formation Time (minutes, 23°C / 50% R.H.)	: 5min.
Curing Rate (23°C / 50% R.H.)	: 2,50 mm / 24 hours
Density (g/cm <sup>3</sup> )	: 1.55 ± 0.02
Solvent & Isocyanate Content	: 0 %
Shore A Hardness (DIN 53505)	: 70 ± 5
100% Elongation Modulus (DIN 53504)	: 2.20 N/mm <sup>2</sup>
Elongation at Break (DIN 53504)	: 400 %
Modulus at Break (DIN 53504)	: 3.50 N/mm <sup>2</sup>
Application Temperature (°C)	: (+5) – (+40)

*\*Technical information are approximate values at +23°C and 50% relative humidity.*

## USAGE AREAS

- ✓ For the fixation and adhesion of facade elements (marble, PVC panels, tiles, natural stone, glass, and metal) and ceiling covering components,
- ✓ In buildings; for the installation of wooden, metal, plastic, and glass accessories,
- ✓ In the construction industry; for frame assembly, sealing, and as an adhesive,
- ✓ For the adhesion of panels, profiles, and other components used in sound and thermal insulation,
- ✓ For both interior and exterior facades

## SURFACE PREPARATION and APPLICATION

### Surface Preparation

- The application surface must be fixed and sufficiently rigid.
- All surfaces to be applied must be clean, dry, and free from oil and dust.
- The application temperature should be between +5°C and +40°C.
- ethanol can be used to remove oil and dirt from the application surface.
- Adhesion should be tested on a small area before full application.

### Application Method

- Apply NP1 High Tack using the V-shaped nozzle provided with the cartridge, in vertical strips, with a **MayGun** or a sealant gun. Do not apply the product in spots.
- In the application done in vertical rows, the strips should be parallel to each other. This is important to ensure that the moisture needed for curing reaches the entire adhesive applied.
- Position the parts to be joined correctly and press them so that the adhesive between the material and the surface is approximately 2.5mm thick.
- Due to its high initial tack and bonding strength, support is generally not required during application.

## CLEANING

- Clean all tools and application equipment immediately after use. Uncured mastic residues can be cleaned with alcohol or thinner.
- Once the product has fully cured, it can only be removed mechanically.

## APPLICATION CONDITIONS / LIMITATIONS

- Not suitable for joints exposed to continuous submersion or rooms with permanently high relative humidity.
- Not suitable for bonding PE, PP, PA, and Teflon. Adhesion and compatibility with plastic materials should be tested.
- Proper ventilation is important during application and curing.
- Not suitable for use in expansion joints.
- Opened cartridges and sausages should be used as quickly as possible.
- A small test area should be checked before applying paint.

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## PACKAGING & STORAGE

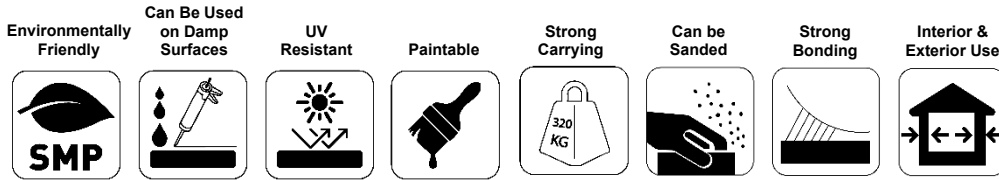
**Shelf Life:** 9 months from the date of production if stored in original, unopened, undamaged packages.

**Storage Conditions:** Should be stored in a dry, cool environment at temperatures between +5°C and +25°C, in the original, unopened, and undamaged packaging.

<u>Packaging</u>	<u>Size</u>	<u>Quantity in Box</u>
NP1 High-Tack Cartridge	290 mL	25
NP1 High-Tack Sausage	570 mL	20

## HEALTH AND SAFETY INFORMATION

Refer to the Safety Data Sheet for all health and safety instructions, including information on storage and disposal. These documents are provided by the manufacturer upon request.

**Disclaimer**

This technical information document supersedes all previous technical documents, statements, and label information. All recommendations, values, and safety information in this document are based on thorough research and the latest laboratory reports. Due to the variety of materials, application types, and conditions, we are not able to control or assume responsibility for the correct application of our products. Users should ensure that the product is suitable for their specific applications before use. Our general sales conditions apply. **YOLDAŞ ENDÜSTRİ** reserves the right to make changes to the products without prior notice.