



No Nail Heavy Duty Adhesive

A single component, fast curing polyurethane based adhesive. It combines high bond strength with fast curing. The water resistance property makes it exceptionally good at bonding wooden surfaces where water splash and moisture is an issue.

Advantages:

- Fast curing, low press time.
- Transparent.
- Extremely high bond strength on wooden substrates.
- Thixotropic, non-sag, ideal for vertical joints.
- Low consumption, economical.
- Usable on slightly wet substrates.
- Very good resistance to chemicals.
- Excellent resistance to moisture and weather conditions.
- Good filling properties.
- Non-shrinking.
- Low odor.
- D4 classification according to DIN EN 204.
- Tested according to DIN EN 14257 (WATT 91).

Usage Areas:

- It is suitable for use in construction and repair applications where a permanent strong bond is required between porous-porous and porous-nonporous surfaces.

- Bonding wooden surfaces at bathroom, kitchens, decks etc. where there is a constant moisture and water contact risk.
- It can be used for bonding various kinds of construction materials such as wood, MDF, concrete, metal, polystyrene and polyurethane foam, marble, granite and ceramic etc.

How to use:

- The substrates must be dry clean, free of dust and grease.
- The application temperature should be between 41°F and 95°F.
- Moistening the substrates slightly will provide stronger adhesion.
- Adhesive should be applied to only one side in straight or wave-like form within 2 minutes.
- Mechanical fasteners must be used to keep the materials together (15-20 min.) until the adhesive cures totally.
- Fresh adhesive can be cleaned with acetone.

Limitations:

- Storage above 95°F may shorten the shelf life.
- Not suitable for polyethylene, polypropylene, nylon, ABS, PTFE.
- Should be tested before application for specific substrates.



Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

Shelf Life:

12 months in unopened original packaging when stored between +41°F and +77°F.

Packaging (Weight/Volume):

10,1 oz (Transparent). 12pcs in a box.

Physical & Chemical Properties

Chemical Structure: Polyurethane prepolymer

Consistency: Thixotropic

Density: 1,13 ± 0.03 g/ml

Skin Formation Time: 5 - 10 min. (73°F and 50% R.H)

Consumption: Approx. 150 g/m²

Shrinkage: None

Pressing Time: 15 – 20 min.*

Heat Resistance: -4°F to +176°F

Application Temperature: +41°F to +95°F

Maximum Shear Strength (beech):
>50 kgf/cm² (After 15 min.)

Maximum Shear Strength (beech):
>100 kgf/cm² (After 24 hrs.)

7 days in standard atmosphere**

(EN 204-Sequence-1): ≈120 kgf/cm²

7 days in standard atmosphere**

and 4 days in cold water

(EN 204-Sequence-3): ≈70 kgf/cm²

7 days in standard atmosphere**, 6 h in hot water, 2 h in cold water

(EN 204-Sequence-5): ≈60 kgf/cm²

Adhesive strength according to DIN EN 14257 (WATT 91): ≈100 kgf/cm²

*Pressing time depends on ambience conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.

**73°F / 50% rel. humidity