

Unick Hybrid Powerbond

One-component, hybrid, pasty adhesive, based on MS Polymers. Contains no solvents, isocyanates or water. It is a universal product, which finds wide application. Can be used as well for sealing.

APPLICATIONS

bonding wide range of finishing materials to typical surfaces, such as: concrete, plaster, chipboard, wood, gypsum, brick, glass
bonding of baseboards, plinths, doorsteps, floor panels, ceramic tiles
bonding decorative elements made of wood, gypsum, cork, chipboard, stones, foamed polystyrene

BENEFITS

fast and durable initial tack
flexible joint
high final strength
moisture resistant
high resistance to UV radiation
does not require use of primer
excellent adhesion to most surfaces, both porous and non-porous, e.g. metal sheets, various synthetic materials or glass

APPLICATION CONDITIONS

Application temperature [°C]	+5 -+30
Optimal bonding temperature [°C]	+15 - +20
Optimal relative air humidity [%]	60

DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

1. SURFACE PREPARATION

- Bonded surfaces must be free from contaminations and substances hindering adhesion.
- Surfaces (glass, glaze, metal) best degrease with acetone or ethanol, while synthetic surfaces degrease using detergent.

2. PRODUCT PREPARATION

- Cut the nozzle to the required diameter, cut the cartridge outlet and screw the nozzle. Insert the cartridge into the applicator gun.

3. APPLICATION

- Apply adhesive in spots or strips on the surface or bonded material.

- In case of wide surfaces adhesive should be applied in wavy line in order to increase the initial adhesion.
- After application, connect bonded elements and press strongly and evenly.
- Correction of the bonding surfaces is possible within 15 minutes .
- The adhesive may not be applied continuously over the glued surface, because it cures in contact with air humidity as well as surface humidity.
- Depending on the bonding surface, it may be required to support heavy objects for at least 24 hours.

4. WORKS AFTER COMPLETION OF APPLICATION

- Cleaning: dry cloth or extractive gasoline prior to curing, mechanically after curing.
- DO NOT WASH HANDS WITH SOLVENTS.

5. REMARKS / RESTRICTION

- Adhesion tests prior to the application are recommended.
- Avoid contact with water until the adhesive is fully cured.
- Not suitable for PE, PP, Teflon.
- When bonding plastics, adhesion test is always obligatory.

TECHNICAL DATA

Color	
Available in various colors	+

Uncured	Value
Solid Content [%]	100
Density [g/ml]	1,60 ± 0,05
Working time (depending on ambient conditions and subfloor properties) [min]	10 -20
Yield [g/m ²]	200 - 350
Curing rate [mm/24h]	2 - 3
Base: MS polymer	+

Cured	Value
Temperature resistance [°C]	-30 - +80

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

NORMS /ATESTS/ CERTIFICATES

Meets requirements of :

- EMICODE EC1 PLUS
- EN 15651-1:2012 20HM F EXT-INT
- EN 15651-3:2012 Class XS2
- ISO 846:1998 method B

TRANSPORT / STORAGE

Warranted shelf life is 18 months from the manufacturing date when stored in unopened, original package at temperatures from +5 °C to +25 °C in a dry place protected from freezing and excessive heat.

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request. Disposal considerations: Product remains and empty cartridges must be disposed of in compliance with official, local regulations.

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles. Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.