



The Chemical Company

CONIBOND® 1624

Quick Curing High Performance Neat Adhesive

Description of Product

CONIBOND® 1624 is a polyurethane based single component quick curing high performance neat adhesive.

Fields of Application

- In inner and outer areas, in vertical and horizontal applications.
- In adhesion of heat insulation, perlite, and fiber insulation sheets to concrete, light concrete, plaster, steel, aluminum, PVC sheets, wood, and insulation felts.
- In adhesion of wooden materials like tik tree and water plywood to each other.
- In adhesion of steel to wood in steel door manufacturing.
- In adhesion of steel legs on elevated pavements to concrete.
- As adhesive in wood and furniture sector.

Features and Benefits

- Single component.
- Clean and easy to apply.
- Cures quickly with the humidity of air.
- Odorless.
- Highly resistant, can be applied to many surfaces without primer.

- Flowable consistency.
- Keeps its elasticity for a long time.
- Does not contain CFC (Chlorofluorocarbon)
- Does not contain solvent.

Application Procedure

Preparation of Substrate

Surfaces have to be strong, dry, bearing, dustless, clean, and also in balance and smooth. Surface must be cleaned off all kinds of oil, grease, rust, and paraffin traces that can weaken adherence and no loose particles must be present. The surface to be applied must have the capacity to bear the weights of the objects to be adhered.

Application Method

CONIBOND® 1624 has to be poured onto the surface as approximately 3 - 4 heaps per square meter, covering 20% - 25% of the material that will be adhered. More material should be used in sides and corners. After **CONIBOND® 1624** is poured onto the surface, the parts must be adhered in 10-15 minutes. Adjustments can be made during this time. The part that will be adhered should be put on **CONIBOND® 1624** applied surface and fixed by mechanic apparatus.

Technical Data

| | |
|--------------------------------|---------------|
| Structure of the Material | Polyurethane |
| Color | Honey |
| Density | 1.00 kg/liter |
| Flash point | +100°C |
| Application Ground Temperature | +5°C +80°C |
| Service Temperature | -40°C +80°C |
| Usage Period | 20 min. |

Obtained in +23°C, 50% relative humidity conditions. Higher temperatures decrease the time, lower temperatures increase the time.



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Coverage

100 - 125 g/m² depending on surface absorption and roughness.

Watchpoints

- If surface and material temperature is below +5°C or over +80°C, then **CONIBOND® 1624** should not be applied.
- Working and reaction time of resin based systems are affected by environment and ground temperature, and relative humidity in the air. Low temperatures slow down the chemical reaction, and increase working period, coating time, and work time. Also coverage decreases because viscosity increases. High temperatures accelerate the chemical reaction and times stated above are reduced depending on this. For the material to complete its curing, environment and ground temperatures must not fall down below the minimum allowed value.
- Curing period varies between 30 minutes to 3 hours depending on application thickness and environmental temperature. High temperatures and humidity decreases curing period.
- In inclined surface applications, applier must be careful against sliding of the material.

Cleaning of Tools

All the tools and equipments must be cleaned by appropriate solvent after the application. After **CONIBOND® 1624** is hardened, it can only be removed from the surface mechanically.

Packaging

2 kg and 10 kg plastic drum.

Storage

Must be stored in unopened original packing, and away from direct sunlight and moisture. In short-term storing, maximum 3 palettes can be

stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

Shelf Life

12 months after the production date under appropriate storing conditions in +10°C - +20°C. Opened packages have to be stored under appropriate storing conditions, and must be used in one week.

Health and Safety Precautions

Approaching warehousing and application areas by fire is hazardous. Warehousing and application areas have to be ventilated.

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

Disclaimer

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