

MK 9810-N

CHEMICAL NATURE: **HOT MELT REACTIVE PU**

OPEN TIME: **45 – 75 SEC.**

SKILL: **FREE FROM SOLVENTS**

RING & BALL: **≈ 95 °C**

VISCOSITY AT 120 °C: **7.000 MPAS**

MK 9810-N is an Hot-Melt reactive Polyurethane free from solvent, used to assemble a large number of materials.

| PROPERTIES | VALUES |
|--|--------------------------------|
| CHEMICAL NATURE | HOT MELT REACTIVE POLYURETHANE |
| DENSITY | 1,05 ± 0,05 g/ml |
| BROOKFIELD VISCOSITY at 120°C (spindle 27 – 2,5 rpm) | ≈ 7.000 mPa.s |
| COLOUR | OFF WHITE |
| SOLID CONTENT | ≈ 100 % |
| OPEN TIME (3 mm thickness at 20 °C) | 45 – 75 SEC. |
| CURE TIME | from 48 to 72 hours |
| RING AND BALL | < 95 °C |
| APPLICATION TEMPERATURE | max 130 °C |

Application & Advantages



- Particularly suitable for bonding metals, glass, leather or when it's required a particular water resistance.
- Used for assembly operations of components of vehicles.
- Suitable for assembly of laminated panels. (ABS, PVC, ecc.)
- Free from: Solvents.
- Excellent stability.
- Excellent adhesion on different substrates, on many occasions without the use of specific surface primers
- Reduction of cleaning time and downtime.

Application



- MK 9810-N can be used through various application systems such us extrusion guns, hot coaters or hot machinery roller designed to be used with hot melt adhesives.
- The hot melt adhesive is steady in the absence of moisture. The product must be protected or purged to avoid exposure to moisture during prolonged stationary machine (nights, weekends).

Note: The cured adhesive is removed with difficulty and requires prolonged contact with solvents such as N-Methyl-2-pyrrolidone ((NMP) irritating)).

Recommendations



- Preparation of the substrate.
The substrates must be cleaned well, dry and free from dust oil or grease that can affect the bonding quality.
For clearing use isopropyl alcohol, MK SOL-NEO or MK SOLV.13 according to local regulations.
Check solvent compatibility with the substrates to be bonded.
If necessary, sandblast the metal surfaces.
MK 9810-N contains 4,4'-diphenylmethane diisocyanate (MDI). Do not inhale the vapours/fumes.

Storage



- Don't mix the product with other adhesives; keep containers closed to prevent contamination.
- Once the containers are open use the products completely.
- Shelf life: 12 months in its original tightly closed packaging in a well ventilated area (+ 18°C).
- Packaging: 0.3 Kg. Cartridges
20 Kg. Drums

Precautions for use



Mastikol® products are generally quite harmless to handle provided that certain precautions are normally taken when handling chemicals.

Avoid contact between substances and foodstuffs or food tools, and take all necessary precautions to avoid contact with the skin.

The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection.

The skin should be thoroughly cleaned at the end of each working period by washing with soap and warm water. The use of solvents has to be avoided. Disposable paper should be used to dry the skin.

Adequate ventilation of the working area is recommended.

These precautions are described in greater detail in the safety data sheet for the individual products and should be referred to for further information.

Notes



The information and, in particular, the recommendations relating to the application and end-use of Mastikol® products, are given in good faith based on Mastikol®'s current knowledge and experience of the products when properly stored, handled and applied under normal conditions.

Mastikol® cannot assume responsibility for the results obtained by others over whose methods we have no control.

It is the user's responsibility to determine suitability for the user's purpose of any production method mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof.

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Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.