



MONOCOL

MONOCOMPONENT MASTIC GLUE FOR ASSEMBLY, ADHESION, WEATHERPROOFING



7 good reasons for using MONOCOL

1. MONOCOL is a mastic based on monocomponent **hybrid polymer** of neutral cross-linking agent.
2. Can be transformed into rubber extremely **elastic** and resistant on contact with atmospheric humidity.
3. Does not stain, neutral and **odourless**.
4. After **quick** polymerisation, can be **painted** and **sanded**.
5. Excellent resistance to **UV** and temperatures **(-40°C to + 90 °C)**.
6. Optimal polymerisation and adhesion in contact with **water**. Keeps flexible.
7. Does **not** contain **silicone**, **isocyanates** or **solvents**.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de nocivité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Particularly adapted for use in



Construction



Institutions



Industry



Transport

Excellent adhesion without primer on supports such as concrete, bricks, stones, aluminium, epoxy covers, polyesters, steel, wood.

BONDING, WATERTIGHTNESS in industry and maintenance.

Numerous adhesion uses in construction, skirting, panels of insulation and for decoration.

Automotive: mechanized welding for body work, bonding, jointing of metallic parts and plastics: cars, caravans, finishing of spot-welded sheets, containers...

Technical departments: town hall, DDE (Departmental Direction of the Equipment), schools and high schools, retirement homes, hospitals...

Characteristics

5 colours: white, grey, brown, black and transparent.
Density: 1.5 (1.02 for transparent)
Touch dry: 5 minutes (at 23 °C, 50% RH) (10 mn for transparent)
Skin forming time: 35 minutes (at 23 °C, 50% RH) (40 mn for transparent)
Setting speed: Approx. 3 mm/24h
Creep strength: (ISO 7390) 0 mm
Movement capability : (ISO 11600) ± 20 %
Use temperature: between +5°C and + 40°C
Range temperature: -40°C to + 90 °C
Hardness shore A : Approx 50 (ISO 868) (35 for transparent)
Elastic module at 100 %: 1.40 Mpa (0.6 mPa for transparent)
Tensile strength : 2.00 Mpa (1.50 Mpa for transparent)
Elongation at break: 200 % , (300 % for transparent)

Chemical resistance:

Resists fresh, salty and hard water and to water bases cleaning products. Resists hydrocarbons, weak acids and diluted alkaline. Does not resist solvents, strong mineral acids and bases and is not for use with permanent contacts with chlorinated swimming pool water.

Limitations:

- **The product bonds to most smooth and glazed surfaces in construction. However, a preliminary test is recommended to ensure a good result.**

- As all mastics, the colour of the product can change in the contact with some materials such as artificial black or natural rubbers, neoprene glues or paints with solvents. It is necessary to isolate the mastic from these kinds of material.

- It is unadvisable to put this product in contact with asphalt or bitumen.

Cartridge of 290 ml.

Storage time: 12 months

For more information: see MSDS.

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This datasheet supersedes previous documents. The information contained in these data sheets is based on our present knowledge and experience and is given as indication only. Under no circumstances does it engage our responsibility in the event of misuse of our products. Non contractual photos and images.



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Instructions for use

Adherence:

Surfaces must be clean, exempt from friable parts, oils, fats, dust and other **contaminates** which could affect the adhesion. Clean the material such as lacquered aluminium and PVC with the degreasing cleaner which will strengthen the adherence on smooth surfaces. Leave until complete evaporation of the solvents before using of the mastic.

Use:

After cleaning and preparation of surfaces, the adjacent surfaces must be protected with a removable **sticking masking tape** (such as orange adhesive).

- Apply with a pistol 7250 to the bottom of joint, once applied, smooth the fresh mastic for 5 minutes

- The MONOCOL reticulate by reaction with the air humidity and the atmospheric conditions such as 23 °C and 50 % of humidity. Ensure you have good ventilation. During the crosslinking phase, make sure that there are no contaminations on surfaces and that the joint isn't subject to mechanical actions. Fresh, the product can be cleaned with HYDROSINE 80. Dry, the mastic can be removed only mechanically.

- To stick:

Apply the product on the piece to be stuck (in lines, dots, or a coat), then fix the piece by exercising a simple manual pressure. If necessary, maintain the pressure mechanically during the first few hours. Bonding is obtained after complete polymerization of the product.

Consumption :

Bonding:

In dots: 1 cartridge = 90 dots of $\phi 3\text{cm}^3$

In lines: 1 cartridge = 12 m of 5mm diameter.

That is to say around 0.2 and 0.5 kg/m².

For joints:

1 cartridge is equal to ~3 m of joint (10 mm diameter).