



## TECHNICAL DATA

# MITOMONT HP50

## Elastic hybrid assembling adhesive

### DESCRIPTION

MITOMONT HP50 is a high quality one component hybrid assembling adhesive and sealant based on hybrid polymer. Hardens with humidity cross-linking reaction.

High performance characteristics of adhesive are:

- Environment and user friendly product, free of solvents, isocyanates, silicones, without dangerous marks,
- Neutral, no damage on gluing materials,
- Excellent adhesion on various surfaces, also on wet substrates,
- High initial grip,
- Fast curing with water reaction,
- Adhesive in paste, keep spreading form even on vertical surfaces,
- Good cartridge workability even at low temperatures.

Characteristics of gluing joint:

- Permanently elastic and strong joint,
- Can be overpainted (not recommended with solvents base paints)
- Weather resistant, also on seaside climate conditions,
- Temperature resistant from -40°C to 90°C,
- UV stable.

### FIELDS OF APPLICATION

Adhesive is used for fast fixing, gluing and sealing of metals, plastics, ceramics, wood, glass, marble, isolating materials, cork, stone, concrete etc. It has an excellent adhesion also on damp and wet surfaces. Not suitable for gluing of polyethylene, polypropylene and Teflon.

Adhesive can be used for home assembling gluing and sealing, in various craftsman works, in building industry, in manufacturing of mobile units, furniture, ship production and in any case where high quality and elastic joint is required. Suitable for indoor and outdoor use.

### CHARACTERISTICS

Chemical base	hybrid polymer
Colour	white, grey, other colours on demand
Consistency	paste
Elongation at break; ISO 37 rod1	200-300%
Skin formation time; ICM 1/14:	15 – 30 minutes, at 23°C and 50%RAH
Hardness; DIN 53504 Shore A	approx. 50
Modulus E; ISO 8339	≥ 1,1 N/mm <sup>2</sup>
Tensile strength; ICM 1/2	3,8 N/mm <sup>2</sup>
Application temperature	+5°C to +40°C
Temperature resistance of joint:	-40°C to +90°C
Cleaning of adhesive's rests and tools:	with alcohol
Consumption of adhesive:	290 mL cartridge is enough for approximately 9 meters, 600 mL sausage for approximately 18 meters for spreading in lines of 6 mm diameter
Marking	not subject to marking-see our safety data sheet

### APPLICATION

The surfaces must be free of oil, grease, remains of paints and dust.

Apply the adhesive by manual gun into one of the surfaces in point or line form. Connect both surfaces, press and fix them if necessary. Clean the adhesive stains with an alcohol.

The adhesive bonds in few minutes depend on adhesive quantity applied, temperatures and humidity. Avoid gluing at the temperatures less than + 5°C.  
Avoid working operations on glued particles before 24 hours after gluing. The final strength and is achieved after some days.  
Test for use in industry is recommended before using.

#### **PACKING**

- 290 mL cartridge: white
- 600 mL aluminium sausages: grey

#### **STORAGE**

Keep in air-tightly closed original packing at temperatures between +5°C and +25°C.  
Properly stored adhesive could be used at least 12 months.  
Opened doses should be protected from humidity and used as soon as possible.

The information provided herein, especially recommendations for the usage and application of our products, is based on our knowledge, results of laboratory tests and practical experience gained to date.

We guarantee a constant quality of our products under our technical specifications. Technical advice of our application department is available without obligation. This does not release the buyer from testing our products in his own responsibility with respect to their suitability for intended application and application process. Such an evaluation should be repeated if materials are changed in any way or bought from a different source.

We do not accept any liability with regard to above information or with regard to any verbal recommendation since different materials used in conjunction with our products as well as varying working conditions are beyond our control.