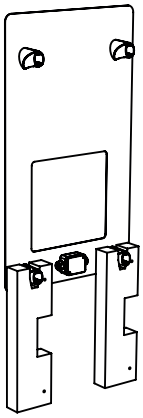
NEOMITIS
INSTALLATION
INSTRUCTIONS

WALL FIXING SYSTEM FOR THE INSTALLATION OF AN ELECTRIC TOWEL RAILS WITHOUT DRILLING THE WALL

PATENTED INNOVATION
PATENT EUROPE & UK
PATENTED INNOVATION

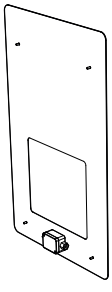


OVERVIEW

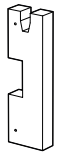
Thank you for your confidence in us and congratulations on choosing our product. This fixing system has been specially designed to install and connect an electric towel rails, in replacement of an old heating appliance, without drilling the wall.

- **This solution has been patented in the United Kingdom.**
- The system has a wall mounting plate that can be glued to any type of wall.
- The standard towel rails brackets are assembled to the support plate without drilling.
- The connexion box is integrated into the support plate and allows the towel rails to be wired to the existing power supply without removing the existing wall outlet.
- The 100% recyclable cardboard feet provide stability during the adhesive setting phase and improve shear strength.

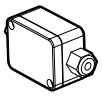
PACK CONTAINS



x1
Support plate



x2
Removable support feet

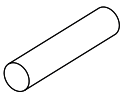


x1
Connection box

x3
Wago 2-pole terminals

x4
Washers

x4
Nuts



x1
Cartridge of adhesive (separate box)

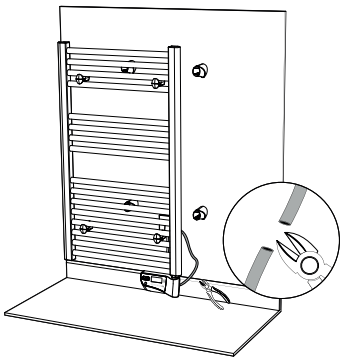
INSTALLATION

To be done by a qualified professional installer.

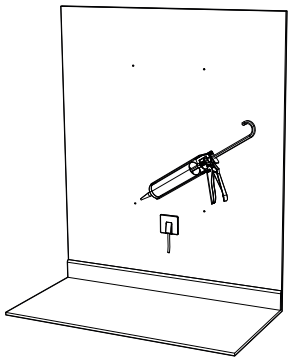
REMOVAL OF EXISTING DEVICE

Turn off the power of the product by activating the circuit breaker at the switchboard and wait until the device is cold.

1- Remove the device from its mounting brackets and cut the power cord with a pair of pliers (not supplied).

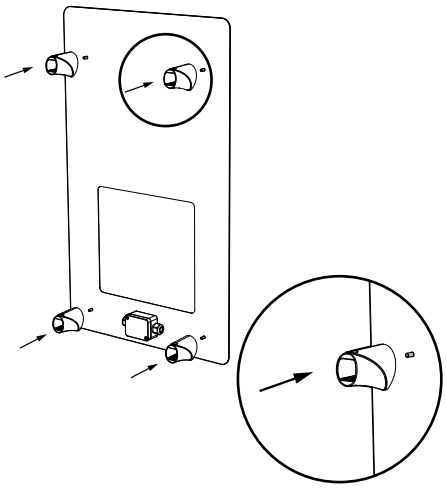


2- Remove the mounting brackets from the wall and fill the holes in the wall with the adhesive.

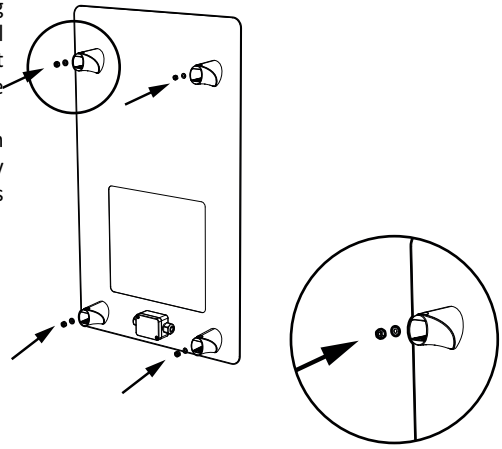


FIXING SYSTEM PREPARATION

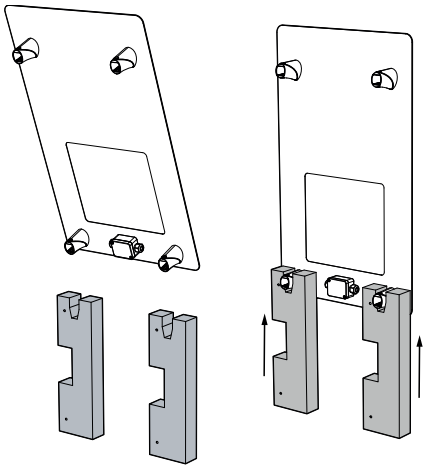
1- Insert the 4 mounting brackets into the slots on the support plate.



2- Assemble the 4 fixing brackets on the towel rail with the support plate, inserting the washers.
Lock the position of the brackets by screwing the nuts supplied.



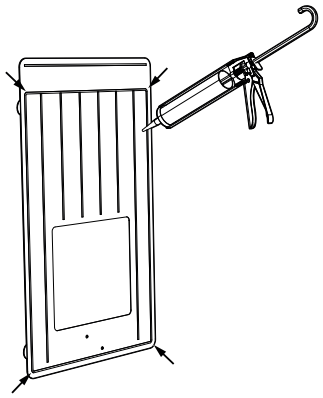
3- Insert the feet as far as they will go, into the edge at the bottom of the support plate.



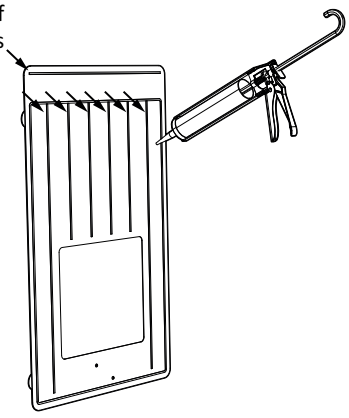
4- Before gluing, ensure that the wall is clean, dry, dust and grease free.
Refer to the adhesive data sheet provided (see page 5) for more details on its precautions for use and physical properties.

5- After inserting the glue into the glue gun (not supplied), apply a bead of glue around the edge of the plate following the printed line.

Important: For a regular wall (smooth surface), the adhesive bead should be <u>at least</u> 6mm thick. If the surface is uneven (e.g. plaster), adjust the diameter of the bead and do not hesitate to increase its thickness to 8 or 10mm. Check that the adhesive is in contact with the wall and the plate.



6- Then apply all the beads of glue following the vertical lines printed.

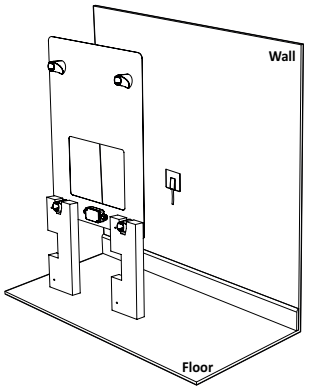


INSTALLING, CONNECTING AND SETTING UP

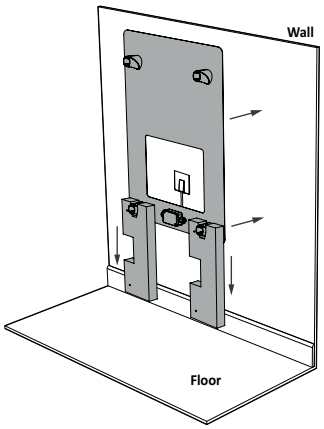
- **Installing the fixing system**

Important: To ensure optimal adhesion and sealing of the adhesive, the support plate must be placed on the wall within 10 minutes of applying the adhesive.

1- Position the support plate at the location of the old device, in front of the cable outlet.

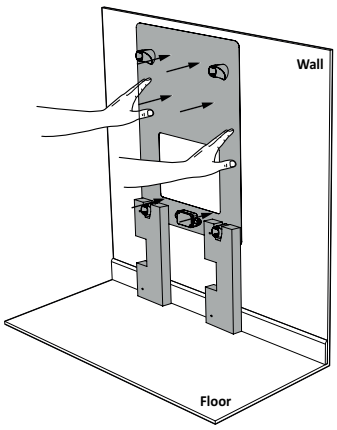


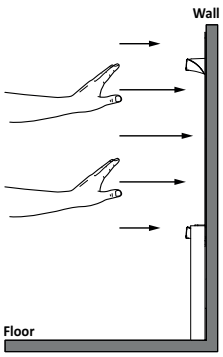
2- Lay the plate against the wall with the 2 mounting feet on the ground.



3- Apply pressure to the entire surface of the plate, pressing down evenly several times to compress the glue beads, then allow to dry.

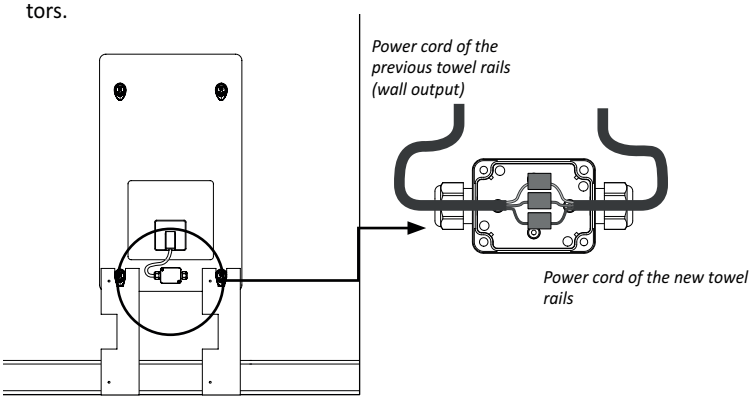
Important: to ensure optimal adhesion and sealing of the adhesive, let it dry for 24 hours before installing the device on the plate.





- **Wiring**

4- Open the wiring box and make the connection using the supplied connectors.



To be done by a qualified professional installer.

- The power supply circuit of this device must include an all-pole disconnecting device with a contact opening distance of at least 3mm (according to the NF C15-100 standard), a differential protection (30mA) and an overload protection.
- Before using the heater for the first time, check that the voltage used corresponds to the voltage indicated on the heater.
- This heater is a class II appliance (double electrical insulation). Connection to ground is prohibited.
- In accordance with electrical standards, **you must not fit this cord with a plug** for connection to a socket.

⚠ **ELECTRICAL CONNECTING**
Single-phase power supply 230V +/-10% ~ 50 Hz.

You must keep the pilot wire insulate if it is not used. Do not connect the pilot wire (black wire) to the earth.

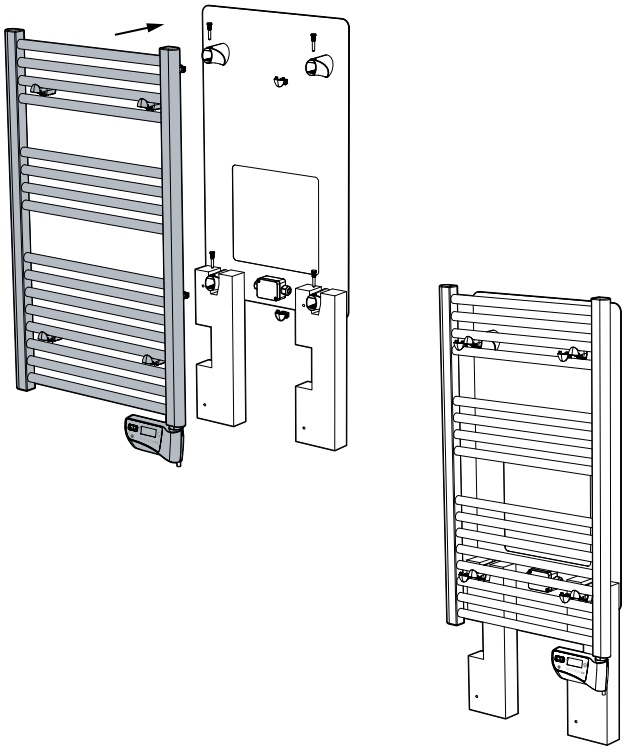
- Blue wire: Neutral
- Brown wire: Phase
- Black wire: Pilot wire - If not used do not connect to the earth.

Important: To hold the cables in place and prevent any damages if they are pulled, fit 3 cable ties (not supplied) as shown in the diagram above:

- 1 inside the wiring box on the 2 power supply cables.
- 1 on each power supply cable, outside the wiring box.

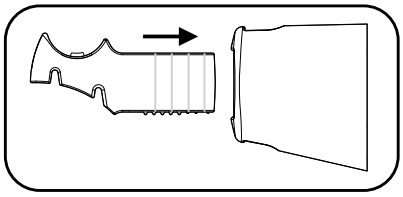
- **Setting up of the towel rails on the wall-mounting brackets**

1- Setting up of the towel rails on the wall-mounting brackets.

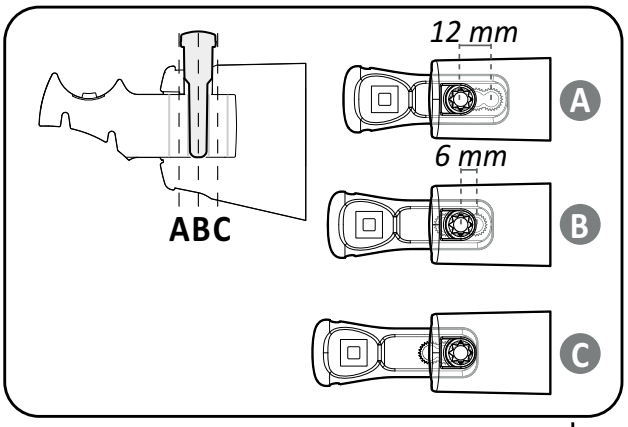


2- Insert and set the depth of the supports.

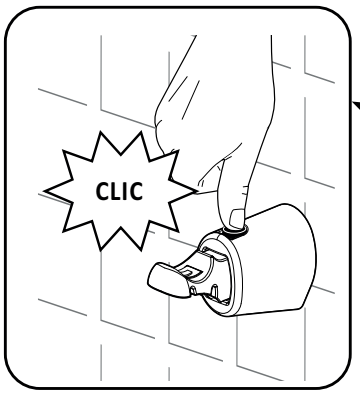
1. Insert



2. Setting of the depth



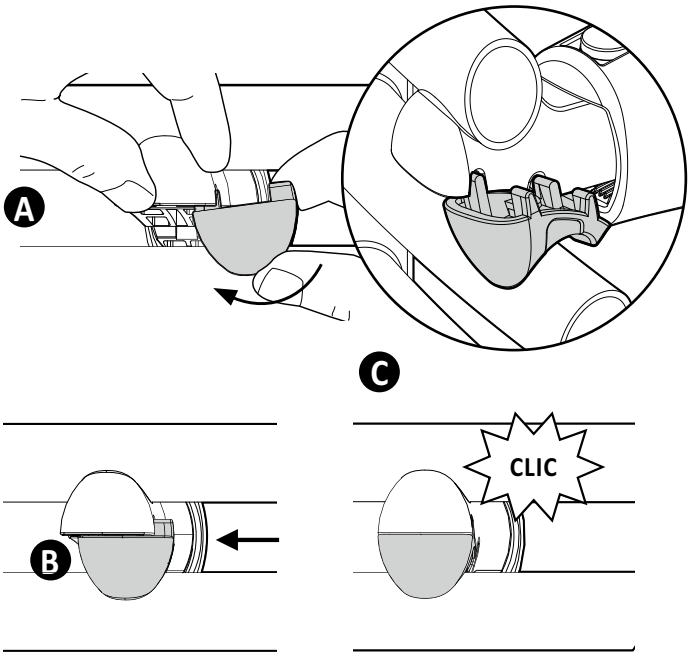
3. Verrouillage



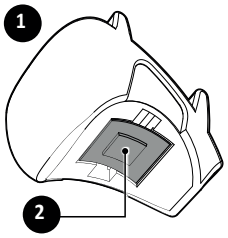
- **Locking of supports**

Once the towel rail is in place on the fixing brackets, lock the installation in the following order:

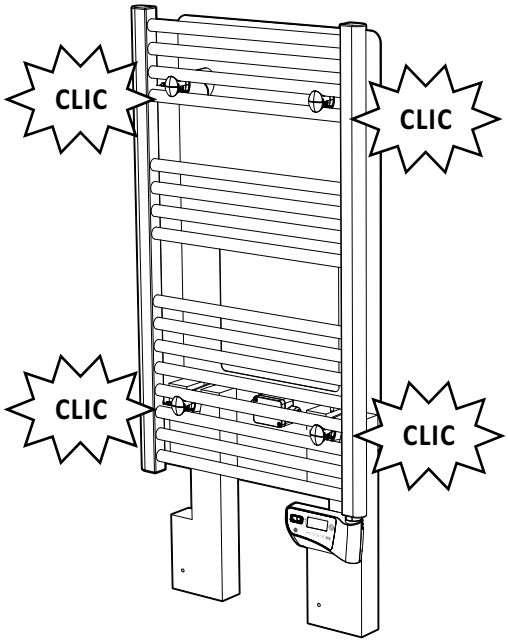
1- Insert the locking parts (1 per support) making sure to position the notches in the 2 grooves located below the head of the mobile support.



IMPORTANT:
Each locking part (1) can be equipped with a small pad in translucent silicone (2). This pad serves to counterbalance the assembly and the mounting tolerances. If the setting up is not tight enough, you can add the second lower silicone pad is provided in the plastic bag.

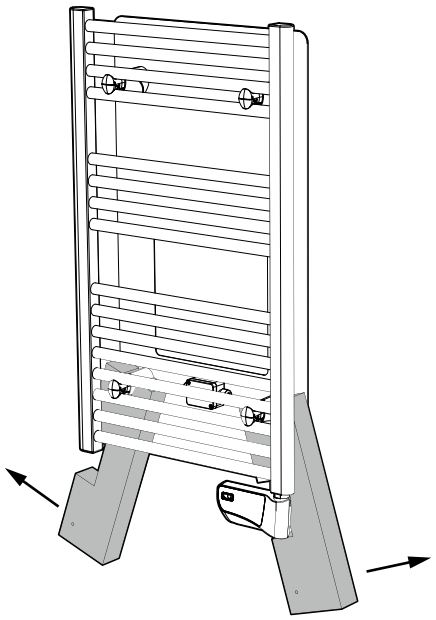


The towel rails is now secured and locked on its supports.

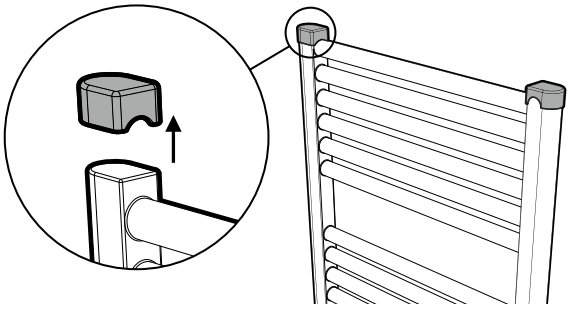


- **Finishing**

It is recommended to leave the feet in place for one week to ensure optimum support of the entire installation after the application of the adhesive.
After this period, the legs can be left in place or removed. To do this, slide them out on either side of the towel rails.



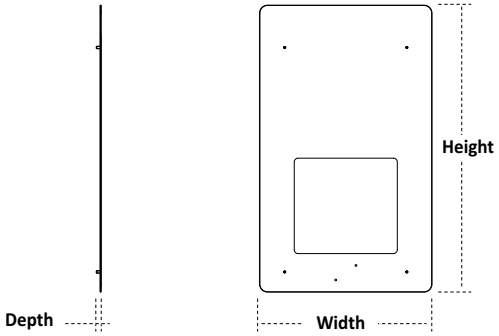
IMPORTANT:
Before heating on, it is imperative to remove the protective caps located at the ends of the towel rails.
Indeed, these are exclusively intended to protect the edges of the device during transport.



DIMENSIONAL SPECIFICATIONS

References	Designations	Widths (mm)	Heights* (mm)	Depths (mm)
BRET075KA	Fixing kit for 500W electric towel rails in asbestos environments	450	750	12
ADHE-006-BOX*	Adhesive cartridge for SAFFIX fixing kit	–	–	–

Please order the appropriate adhesive cartridge specific to the Saffix kit.



Manufacturer: Neomitis Ltd is a registred trademark of Axenco S.A.S - 258 rue du Champ de Courses - 38780 Pont-Evêque - France

This product in not ordinary household waste. When it's dead, please return it to a specialised collection point. Recycling products enables us to protect the environment and to use less natural resources.

ADHESIVE TECHNICAL DATA SHEET

Product information

Elastic and versatile mounting adhesive with very high initial adhesion.
The mounting adhesive combines the advantages of a double-sided adhesive with the advantages of a reactive adhesive:
During assembly, the adhesive has a high initial adhesion and a high internal cohesion.
It is therefore often possible to work without temporary shoring, or even to move the glued elements immediately.
PRODUCT :
The mounting adhesive is a high performance MS-Polymer based filler/adhesive (40 to 50kg/cm² in shear) which retains good elasticity over time and has a particularly high initial adhesion. Due to its flexibility it allows the bonding of heterogeneous materials, excellent shock and vibration resistance.

Application

The mounting adhesive has an excellent initial adhesion (Tack) and adheres without primer to most substrates such as: aluminium, zinc, galvanised and stainless steel, copper, natural stone, concrete, brick, expanded or compact PVC sheets, etc.
Especially suitable for the installation of expanded or compact PVC sheets; safety glass (e.g. bank glass); cable ducts, mirrors. Suitable for the structural bonding of panels and elements in the construction industry, such as facade cladding, ceilings, etc. In many cases, except in the case of very high stresses, initial shoring is not necessary.
The mounting adhesive has excellent adhesion to treated wood, plaster, stone, concrete, grease-free glass, enamel, metals, painted or untreated surfaces and various plastics (preliminary tests recommended).

Examples of vertical or horizontal bonding:
- Industrial bodywork: gluing of corner angles, omega, sandwich panels, etc.
- Composite/Thermoforming: gluing of reinforcements, inserts.
- Naval: interior fittings, partitions, composite parts, etc.
- Signage and POS: all fixings where an immediate hold is required
- Acoustic insulation panels
- Thermal insulation materials (such as PUR, PIR, PS)
- Joinery and beams in construction / building
- Wood and plastic profiles, ornaments, joints
- Sills, window sills, skirting boards and joint covers
- Roof and facade construction elements.

Features

- Bonding, mounting
- Very high initial adhesion
- Good adhesion to most materials
- Even on damp substrates
- Contains no solvents or isocyanates
- Very strong
- Permanently elastic
- Does not corrode metals
- Can be used indoors and outdoors
- Very good resistance to UV radiation and weathering

The mounting adhesive can be painted immediately after installation. Best results are achieved when working "wet on wet". After cleaning, the joints can be painted over at any time. The mounting adhesive can be painted with most water- and solvent-based paints. However, prior compatibility tests are recommended. When using alkyd resin paints, the drying time can be significantly extended.

Implementation

Preparation: The surfaces must be clean, dry, dust- and grease-free. Slightly damp substrates are permitted. If necessary, degrease with IPA alcohol or ethanol. It is advisable to test the adhesion, the user must ensure that the product used is suitable for its purpose. Contact our technical department for further information.

Application: Apply the mounting adhesive by extruding a bead onto the substrate or element to be bonded. The beads should be applied in vertical strips. The element to be bonded can be adjusted for 10 minutes. For more information on the distance between the beads, see "Amount of adhesive". We recommend a thickness of 3.2 mm between the two sides so that the adhesive can withstand dimensional variations (this is important for outdoor use or when there is a lot of moisture). To facilitate this gap, 3.2 mm thick wedges or double-sided adhesive can be used.
In case the adhesive layer has to withstand small deformations between building components, a thinner adhesive layer (minimum 1.5 mm) is sufficient (e.g. for indoor applications).

Open time: Assemble the materials as quickly as possible (always within 10 minutes) depending on temperature and relative humidity. Tighten or tap lightly with a mallet.

Clean up: If necessary, smooth out any excess adhesive on the edges with a spatula.
Remove fresh residues with wipes. Cured adhesive can only be removed mechanically afterwards.

Drying time and adhesion

The mounting adhesive cures by reaction with the humidity of the air and possibly of the substrates and then forms a permanent elastic and very strong bond. 4mm per 24h at 20C° and 60% RH Initial
The initial internal adhesion is such that bonding without temporary support is possible:
- Internal (direct) adhesion > 0.0019 N/mm².
- Adhesion per m² of adhesive surface > 1900 N (> 190 kg)
- After one hour the adhesion has tripled:
- Internal adhesion (after 60 min > 0.0057 N/mm²)
- Adhesion per m² adhesive surface > 5700 N (> 570 kg)

After polymerisation

The assembly adhesive polymerises under the influence of moisture until an elastic, high-strength adhesive joint is formed. The maximum tensile strength is >3.2 N/mm² (ISO-37), the shear strength is 3-5 N/mm², depending on the joint configuration. See chapter "Technical data".

Adhesive quantity

The mounting adhesive is applied in beads or dots. A triangular bead with a base of 9 mm and a height of 9 mm (± 40 mm² cross-section) gives an adhesive width of about 13 mm and a thickness of 3 mm on smooth materials. On uneven surfaces a minimum adhesive thickness of 3 mm will give an adhesive width of ± 10 mm. With an adhesive thickness of 1.5 mm the widths are 26 and ± 20 mm respectively. Apply beads in parallel (so that the air humidity between the beads can circulate and polymerise the adhesive). By extruding a standard triangular bead of 9 mm base and height and after pressing in adhesive thicknesses of 1.5 and 3 mm, the following ratio between bead distance and element weight can be determined. This is the case for flat adhesive surfaces. It is recommended that tests are carried out beforehand. When gluing large wall or facade panels, take into account the peeling force (curvature of the panels) that may occur.

Immediate adhesion after application

Immediate centre-to-centre distance (per m²) after 60 min (per m²)
Adhesive thickness 1.5 mm (on wet substrates - width after pressing ± 26 mm.)
Please note when determining the beads that :

Interval	% of adhesive per m2	Immediate		After 60 minutes	
10cm	(adhesive surface 26%)	470 N	47,0 kg	1410 N	141,0 kg
20cm	(adhesive surface 13%)	240 N	24,0 kg	720 N	72,0 kg
30cm	(adhesive surface 9%)	166 N	16,6 kg	500 N	50,0 kg
40cm	(adhesive surface 6,5%)	120 N	12,0 kg	360 N	36,0 kg

- the value of the internal cohesive forces of the elements to be bonded is not exceeded (e.g. mineral wool ceiling tiles). If such materials are used, it is advisable to apply as large an area of adhesive as possible.
- the adhesive beads should be evenly spaced on the element to be bonded.

Technical data:
- Raw materials: MS Polymer
- Curing system: by moisture absorption
- Polymerisation rate: 2.5 to 3 mm per 24 hours (at T 23°C and 50% R.H.)
- Number of components: 1
- Skin formation: +/-15 min (at T 23°C and 50% R.H.)
- Specific gravity: ± 1.60 g/ml (ISO-1183)
- Shore A: 60 (+/- 5) (ISO-868)
- Maximum permissible joint movement: 25%.
- 100% elasticity tension: 1,500 N/mm² (ISO-8339- 40)
- Tensile strength: 1.7 N/mm² (ISO-8339-40)
- Elongation at break: ± 180% (ISO-8339-40)
- Shear strength: 3.132 N/mm² (DIN 53283)
- Solvent content: 0%.
- Isocyanate content: 0%.
- Dry matter content: ±100
- Processing temperature: do not work below +5°C
- Temperature resistance: -40°C to +90°C (120C° 1 hour)
- Very good resistance to humidity and UV
- Insensitive to frost
- Non-corrosive

Storage:

Cool and dry in original, frost-free packaging. Limited use of opened packaging.
12 months in closed original packaging at a temperature between +5°C and +25°C.

Safety:

Please consult the safety data sheet. Update / edition : 02.2012

Notes to the user: All our specifications are based on extensive laboratory studies and many years of experience. Due to the variety of materials on the market and the different application procedures which are outside our area of influence, we cannot accept any liability for them. We strongly recommend that you determine by testing your materials and your specific application whether the product meets the requirements you are entitled to expect. We also refer to our terms of sale, delivery and payment. This sheet cancels and replaces all previous editions.

LEGAL GUARANTEE (EXTRACT OF TERMS AND CONDITIONS)

Clause 6 - Guarantee:

6.1. Guarantee of patent defects - Principle: Our products must be verified by the customer upon delivery. Any and all claims, reservations or disputes regarding missing items and patent defects must be submitted in the manner set forth in these General Terms and Conditions.

In the event of patent defects, the defective parts shall be replaced by us, subject to verification of the alleged defects.

We shall not be held responsible for patent defects or missing parts of which the purchaser was aware before entering into the sales agreement.

The customer shall have to provide any and all evidence as to the reality of the defects noted (paperwork, photographs, etc.), and our company reserves the right carry out, directly or indirectly, any and all checks and verifications, notably on site.

Notice of the missing items or of the patent defects which were noted at the time of delivery, and those discovered after acceptance and intake of the products, shall have to be provided by the customer in writing within twenty-four hours following the date on which the latter discovered the said missing item or defect. No notice shall be taken into account if it is provided more than eight full days following delivery of the products. Once said timeframe has expired, the customer shall no longer be able to put forward as a ground non-conformity of the products as regards patent defects or missing items, or raise said non-conformity in a counter-claim in its defence at the time of legal proceedings regarding the collection of monies owed brought by our company.

6.2. Guarantee of hidden defects: Our company guarantees its products against the hidden defects which existed on the date on which products are delivered, in accordance with the law, under the terms set forth hereinafter.

Our guarantee only applies to products which have lawfully become the property of the purchaser. It only applies to products which were manufactured in full by our company. Our guarantee covers hidden defects. Since our customers are trade professionals, a hidden defect is defined as an unacceptable manufacturing defect affecting a product which renders the latter unfit for the intended use thereof which is not liable to be detected by the purchaser before it is used. “Unfit for the intended use thereof” means that the defect prevents the piece of equipment from operating. Thus, the design of the product is not covered by the hidden defects guarantee – our customers are deemed to have received all of the technical information regarding our products. We do not guarantee against malfunctions or damage or wear and tear arising out of adaptations or fitting of our products which are special or unusual or usual. Likewise, allegations regarding occasional or variable malfunctions, a lack of comfort, unhappiness regarding the results obtained, aesthetic defects, in particular, are not covered by the guarantee against hidden defects. A defect is not hidden if, despite the fact that the purchaser was not aware of it in good faith, it could have been discovered by carrying out basic verifications.

Our guarantee is limited to the replacement or repair of defective parts. It does not give rise to compensation.

6.3. Contractual guarantee: A specific contractual guarantee can be provided by our company for such equipment. In such case it shall be strictly limited to the stipulations set forth by us.

6.4. Terms covering the application of guarantees: Any and all requests for coverage in respect of the guarantee must be made using our After-Sales Service Return Request Form. All claims must be made by the Customer to the Supplier’s After-Sales Service Department, given that no direct claims by the user shall be taken into account. The guarantee request shall be taken into account upon production of a dated purchase receipt. It is the responsibility of the purchaser who alleges a defect, regardless of the defect in question, to provide proof of the existence and of the nature thereof. An application is for-warded by the purchaser to our staff. Likewise, any and all guarantee requests shall have to be accompanied by evidence that it does not fall under one of the said exclusion cases. The purchaser must do his or her utmost to enable said defects to be officially recorded and remedied. He or she must further-more absolutely abstain from replacing the products or have said replacement carried out by a third party, failing which guarantee coverage shall not be provided.

The guarantee coverage is limited to merely exchanging or repairing the defective part. If it proves indispensable, after examination by the Supplier’s Technical Staff, replacement of the appliance in full shall be carried out as a temporary measure. Said replacement measure, taken as a temporary measure, under no circumstances howsoever constitutes an acknowledgment of responsibility on our part. In the event of replacement of the defective part or of the appliance as a whole, transport, removal and fitting costs are excluded from the guarantee. In the event of immediate replacement as a temporary measure, the defective equipment shall have to reach our staff within fifteen calendar days of the replacement thereof. Failing which, the replaced equipment shall be invoiced.

All returns shall be carried out in suitable packaging, with the equipment properly wedged. The cost of the return shall be borne by the customer. No returns of parts shall be accepted unless approved beforehand by our After-Sales Service Department. The customer shall receive an assessment carried out by our After-Sales Service Department in the event that the latter concludes that the return was unjustified.

The guarantee coverage excludes any and all compensation in respect of damages. The installer must be insured against any eventual damage.

Moreover, our guarantee automatically ceases to apply when our customer has not notified us of the alleged defect within a timeframe of thirty full days from the date of the facts cited as justifying the claim for guarantee coverage.

The onus is on the customer to provide evidence of the dates referred to in the claim.

6.5. Specific exclusion in respect of apparent defects: Defects and damage to the products delivered consecutive upon circumstances relating to carriage, to storage and/or to preservation conditions at the customer’s premises, in particular in the event of an accident of any type howsoever, shall not give rise to an entitlement under the guarantee provided by our company.

The guarantee does not apply to equipment already resold by our purchaser.

6.6. General exclusions in respect of the all the guarantees: All guarantees are invalid as soon as our products have been used under usage or performance circumstances for which they were not intended or which do not constitute normal usage.

The guarantees do not apply if the following conditions have not been complied with, to whit notably:

- Storage away from sources of humidity and the effects of bad weather.
- Set-up and installation in accordance with best practice.
- Utilisation with a 230V domestic power supply.
- Utilisation compliant with the Supplier’s instructions for installation and use.

The guarantees do not apply to any eventual damage which is the consequence of overvoltage or other faults which occur in power supply and distribution circuits.

The guarantees apply to corrosion defects only if the appliances are used in accordance with the usual circumstances which apply in a single housing unit or in the tertiary sector; in particular they must not be:

- Subject to intensive and continuous ambient humidity (from swimming pools, etc.);
- Cleaned using acidic substances which are liable to affect their properties.

The development of a shade of colour over time is a natural phenomenon and cannot give rise to a guarantee claim. The guarantees do not come into play if the acquirer cannot provide evidence of full payment for supplies and/or if the installation and usage instructions provided by the vendor were not complied with, and less specifically in the event that the damage caused arose out of the actions of the purchaser or of the servants thereof, out of force majeure circumstances or out of unforeseen circumstances. The guarantees do not apply in the event of a defect originating either in the components supplied by the purchaser and in the event of a design having been required by the purchaser, without the vendor having taken part in said end design process, or if the product did not meet aims determined by the customer of which the vendor was not notified. All points not mentioned in writing in the order are not guaranteed. All damage caused by normal wear and tear is also excluded from the guarantee.

The guarantees only apply to products produced in production runs, to the exclusion of prototypes and samples.

6.8. Guarantee period: The guarantee period for missing parts and patent defects varies depending on the nature of the defect in question and on the type of equipment in question:

- As regards electric radiators, electric and dual-fuel towel rails and accessories: a guarantee lasting 30 months from delivery of the appliance up to a maximum of 36 months after its manufacturing date in the case of a non-compliance defect ;
- As regards spare parts: 2 years from the exchange.

The guarantee for hidden defects is provided for duration of 30 months from delivery.

The spare parts vital for the use of the machine or equivalent spare parts continue to be available for five years from the date of manufacture of the appliance.

Work carried out under the guarantee does not have the effect of extending the duration of the guarantee.

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NEOMITIS

Creating innovative solutions for ambient comfort

NEOMITIS® LIMITED - 16 Great Queen Street, Covent Garden, London, WC2B 5AH UNITED KINGDOM
Registered in England and Wales No: 9543404
Tel: +44 (0) 2071 250 236 - Fax: +44 (0) 2071 250 267 - E-mail: contactuk@neomitis.com

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