



TECHNICAL DATA

PRODUCT CODE

LATEX BASED INSULATION PANEL ADHESIVE «MULCO 90»

390 000

Technical data # 20060914

DESCRIPTION

Non-flammable synthetic latex rubber based adhesive, with no emission of toxic vapor.

INTENDED USES

«MULCO 90» can be used indoors to bond insulating panels such as polystyrene (blue, green, white, pink, etc.) and rigid panels (polyurethane, cork, etc.) to walls of concrete, masonry, gypsum or wood.

REMARKS: → Does not withstand continuous or temporary immersion;
→ Not to be used on particles boards.
→ Not to be used to bond polystyrene on itself or on a non-porous surface.

ADVANTAGES

- | | |
|--|------------------------|
| ⇒ Professional quality. | ⇒ Weak odor. |
| ⇒ Non-toxic vapor. | ⇒ Non-flammable. |
| ⇒ Ecological product, emits less than 2 g/L of organic volatile compounds. | ⇒ Remarkable adhesion. |
| | ⇒ Ease of application. |

STORAGE AND APPLICATION TEMPERATURE

«MULCO 90» contains water and is irretrievably damaged if frozen. Always store it in a dry place where the temperature is between 15°C (60°F) and 30°C (85°F). Thus, the unopened containers should be preserved for 3 years.

To allow the product to dry, «MULCO 90», air and materials should be at a temperature between 15°C (60°F) and 30°C (85°F) during the product laying and the following days. The application of «MULCO 90» should not be done if a temperature below 15°C (60°F) is expected the days following the application.

SURFACE PREPARATION

The surface must be in a seemingly new, firm, linear, clean, porous and dry state. Wash off any filth, grease, oil, salt or any other contaminating product agent with an appropriate cleaner/degreaser. It must also be free of wax, silicone, asphalt or tar products (coating, adhesive, etc.), paint and all loose or foreign material or any material soluble in solvents. The surface must not be crumbly, soft or fragile. It must also be free of any humidity or hydrostatic pressure.

CONCRETE: Do not use on concrete less than 28 days old.

The surface must be free of any coating, paint or curing agent since it may hinder adhesion. It must also be entirely free of efflorescence salts.

Floors

Verify the presence of humidity or hydrostatic pressure.

After cleaning, allow the surface to dry at least 72 hours. Concrete temperature must be at least 5°C (40°F).

Low temperature slows water migration and gives unreliable results.

Using duct tape, fix a plastic sheet at least 60 cm (2 feet) x 60 cm (2 feet) on 4 or 5 floor areas.

Plastic sheets must stay in place for at least 24 hours if the concrete temperature is above 20°C (70°F) or at least 3 days if the concrete temperature is between 5°C (40°F) and 20°C (70°F). At a temperature below 5°C (40°F), the humidity test cannot give reliable results.

Verify the presence of humidity (concrete getting darker or presence of droplets under the plastic sheets).

If these conditions appear (concrete getting darker or presence of droplets), «MULCO 90» should not be used on that floor, a false floor must be built including a vapor barrier.

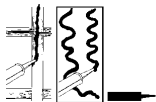
Verify the presence of efflorescence salts.

If necessary, treat with a 5 to 10% muriatic (hydrochloric) acid solution or another specific acid solution. Let work for 20 minutes or according to product's instructions. Swill out several times and let dry out (at least 72 hours).

REQUIRED PRIMER

«MULCO 90» generally does not require priming on most bare building materials surfaces as: gypsum, plywood, particleboards, chipboard, concrete (28 days old) masonry and many common building materials.

A P P L I C A T I O N



By beads (cartridge): Cut the nozzle of the cartridge at a 90° angle, to a dimension that extrudes beads of at least 7 mm (1/4 in.) in diameter. Pierce the aluminum membrane found inside the nozzle. Use a caulking gun and apply with a uniform pressure. Apply a bead on the perimeter and at every 20 cm (8 in.) covering entire surface. All beads of adhesive must be thick enough to be smoothed out when the material is in place.



By Trowel: Apply the adhesive on the entire surface using to be glued, using a trowel that will ensure a strong bond between the two surfaces. In general, the use of a 5 mm (3/16 in.) V notched trowel is sufficient for smooth materials. Recover the adhesive with the panels within 15 minutes. Do not cover a larger area with adhesive than allowed by the open time, for a skin will form.

The adhesive applied with the trowel must be thick enough to be smoothed out when the material is put in place. Always use a trowel so that 80% of the back of the material is covered with adhesive once it is in place.



By spots: Apply spots of 3cm (1 1/4 in.) in diameter by at least 6mm (1/4 in.) thick and at every 30 cm (12 in.) by 30 cm (12 in.) on entire surface.

All spots of adhesive must be sufficiently thick and applied in such a way that a deformation occurs when the materials are put in place. If the surface is uneven, use spots of 1 cm (1/2 in.) thickness.

Ceilings: use the adhesive following one of the above methods, with the help of metal fasteners.

If the adhesive is applied with the spot method, the spots must have a minimum of 1 cm (1/2 in.) thickness.

In all cases

The amount of adhesive applied must be sufficiently thick to be smoothed out when the material is put in place.

The material must be put in place immediately and its application must not take longer than 15 minutes from the start.

Adhesion could be mediocre if the material is put in place once a skin has been formed. Touch the adhesion to see if a skin was formed. If so, you have waited too long to apply the material. Re-trowel the adhesive and apply a new coat while working more quickly.

Wait at least 24 hours before applying any force on the materials (traction, traffic, movement, etc.).

C O V E R A G E

Per 300 ml cartridge:	By bead:	7 linear meters (23 linear feet) of bead 8 mm (3/8 in.); 1.2 sq. m (13.1 sq. ft.).
	By spots (spots 6 mm thick):	3.0 sq. m (33 sq. ft.);
	By spots (spots 1 cm thick):	2.0 sq. m (20 sq. ft.);
Per litre:	Trowel (5 mm (3/16 in.) V notched):	1.3 sq. m (14 sq. ft.);
	by spots (spots 6 mm thick):	11 sq. m (114 sq. ft.);
	by spots (spots 1 cm thick):	6.3 sq. m (68 sq. ft.);

T E C H N I C A L G U I D E

GENERAL APPEARANCE:	Homogenous paste, free of lumps, easy to use.
COMPOSITION:	Synthetic rubber latex (binder), inert charges (pigments), water (volatile material), bactericide and other additives.
CLEANER (wet product):	Use water.
CLEANER (dry product):	Use a putty knife with mineral spirits or another effective solvent; take care not to affect the other surfaces with too strong a solvent.
CLEANER (skin contact):	Wash with water as soon as possible. If the product is dry on the skin, wash with mineral oil, then wash carefully with soapy water and rinse.
FLAMMABILITY:	At application: non-flammable; Dry: combustible.
STANDARDS:	Associated with standards 71-GP-24M, type 1 and 2, class C.
APPLICATION METHOD:	Caulking gun, putty knife or trowel.
APPLICATION SURFACES:	Walls, floors or ceilings.
APPLICATION SITE:	Indoors only.
FREEZE / THAW STABILITY:	«MULCO 90» is irretrievably damaged if frozen.
SERVICE TEMPERATURE:	Minimum: -30°C (-22°F); Maximum: 50°C (122°F).
WHMIS CLASSIFICATION:	Not regulated.
VOC content:	0.1%
Regulatory VOC (less water and exempt solvent):	1,92 g/L

R E S T R I C T I O N S**Keep from freezing.**

The shelf life is decreased by warehousing over 25°C (77°F).

On certain conditions, mechanical fasteners may be required.

Do not use on plastic materials or metal.

Adhesion on materials subject to immersion cannot be guaranteed.

The surfaces of the materials must be porous to allow the adhesive to dry. Do not use on painted, waxed or varnished surfaces without thoroughly sanding the surface.

Considering the wide range of woods and surface's finishes encountered in the field of particleboards and composition panels, the adhesion of these panels cannot be guaranteed. It is up to the customer to do his own performance tests with the panels he uses. The customer will have to regularly perform his tests since the results may vary depending on the batches and suppliers of panels.

The open time and drying time mentioned were obtained at 25°C (77°F), 50% relative humidity, without air circulation.

Higher temperatures or air circulation will shorten those times. At lower temperature or higher relative humidity, the drying time will be longer.

Adhesion of material not specifically mentioned cannot be guaranteed. It is up to the customer to make his own performance test or to consult our technical department.

S A F E T Y P R E C A U T I O N S**KEEP OUT OF THE REACH OF CHILDREN.**

Before using «MULCO 90», consult the product material safety data sheet (MSDS)

Disposal: consult your municipality to dispose in conformity with regulations.