



TECHNICAL DATA

PRODUCT CODE

WOOD, SUB-FLOOR AND CONSTRUCTION ADHESIVE «MULCO 80»

380 000

Technical data # 20060914

DESCRIPTION

Rubber and petroleum distillate based adhesive for multipurpose construction bonding applications.

INTENDED USES

Especially formulated for multipurpose construction bonding applications in all weather. «MULCO 80» can be used indoors and outdoors to bond on floors or walls wood and construction materials as: gypsum, dry, moisten or frozen wood, ceramilité®, baseboards, cork, cement board, ceramic floor tiles, wood pre-finish wall panels, pieces of arborite®, rug or formica ® on surfaces of gypsum walls, plywood, masonry or cured concrete.

REMARKS: Not to be used on insulating panels or plastic materials which can be affected by solvents;
Does not withstand immersion (tanks).

ADVANTAGES

⇒ Professional quality. ⇒ Multipurpose product with a remarkable adhesion on ⇒ Flexible.
⇒ Ease of application. numerous porous building materials.

STORAGE AND APPLICATION TEMPERATURE

«MULCO 80» does not deteriorate below freezing point. Anyhow, it is recommended to store it in a dry place where the temperature is below 30°C (86°F) to make its use always possible. Thus, the unopened containers could be preserved for 2 years. «MULCO 80» can be applied either in winter or in summer. Anyhow, to make its use easier, the product must be at a temperature higher than -18°C (0°F). If the application of «MULCO 80» is to be made at a temperature lower than 5°C (40°F), the surface must be at a temperature at least 3°C (5°F) higher than dew point.

SURFACE PREPARATION

The surface must be in a seemingly new, firm, linear, clean, porous and dry state. The surfaces must be free of frost or ice. 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.), 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.

PLYWOOD AND PARTICLEBOARDS:

Floors must be firm and sound. They must be at least 19 mm (3/4 in.) thick. Floors that have been doubled must be done so with 16 mm (5/8 in.) plywood nailed at every 10 cm X 10 cm (4 in. X 4 in.).

Outdoor, only outdoor grade material must be use

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

The surface must present no trace of coating, paint or curing agent since it may hinder adhesion.

The surface must be entirely free 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).

Verify the presence of humidity or hydrostatic pressure.

After cleaning let the surface to dry at least 72 hours.

Concrete temperature must be at least 5°C (40°F).

Low temperature slow water migration and false results.

Fix with a duct tapes on 4 or 5 floor areas, a plastic sheet at least 60 cm (2 feet) x 60 cm (2 feet) to the floor.

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).

If the slab temperature is lower than 5°C (40°F), the humidity tests cannot give reliable results.

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

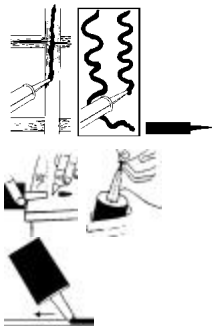
If it exists, (concrete getting darker or presence of droplets), «MULCO 80» should not be used on that floor, a false floor must be built including a vapor barrier.

REQUIRED PRIMER

«MULCO 80» generally does not require priming on most bare building materials surfaces as: plywood, particleboards, chipboards, concrete (28 days old), masonry and many common building materials.

APPLICATION

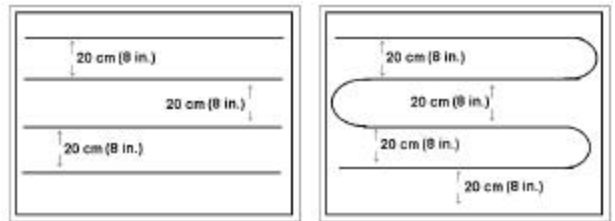
By bead:



Cut the nozzle of the cartridge at a 90° angle, at 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.

During the extrusion of «MULCO 80», the angle between the gun and the joint to be made must be approximately 45°.

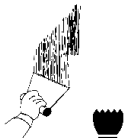
Apply a bead on the perimeter and at every 20 cm (8 in.) covering entire surface following one of those sketches.



Take care to follow the product coverage.

All beads of adhesive must be thick enough to be smoothed out when the material is in place.

By trowel:



In general, the use of a 5 mm (3/16 in.) V notched trowel is sufficient for smooth materials. For very uneven surfaces, a trowel with larger notches may be required. In all cases, always use a trowel so that 80% of the back of the material is covered with adhesive once it is in place.

Do not cover a larger area with adhesive than can be covered with material, for a skin will form. Be sure the adhesive is tacky upon putting the material in place.

Apply the adhesive on entire surface using a trowel. This will ensure a strong bond between the two surfaces. The adhesive must be smoothed out when the material is put in place.

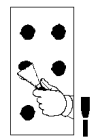
Tiles with a smooth back: Use a 5 mm (3/16 in.) high V notched trowel by 5 mm (3/16 in.) in width with a distance of 5 mm (3/16 in.) between notches.

Tiles with legs: Use a square notched trowel with a depth of 8 mm (5/16 in.), a width of 6 mm (1/4 in.) and a distance of 6 mm (1/4 in.) between notches.

By spot:

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

All adhesive spots must be thick enough to be smoothed out once the material is in place.



In all cases:

Always use at temperature above -18°C (0°F).

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

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

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

Wait at least 48 hours before applying any force on the materials (traction, traffic, movement, etc.).

COVERAGE

Per 300 ml cartridge:	By bead:	7 linear metres (23 linear feet) of bead 8 mm (3/8 in.); 1.2 m ca. (13.1 sq. ft.).
	By spot (spots 6 mm thick):	3 sq. m (34 sq. ft.);
Per 800 ml cartridge:	By bead:	19 linear metres (61 linear feet) of bead 8 mm (3/8 in.); 3.25 m ca. (35 sq. ft.).
	By spot (spots 6 mm thick):	8 sq. m (91 sq. ft.);
Per litre:	Trowel (5 mm (3/16 in.) V notched):	1 sq. m (10.7 sq. ft.)
	By spot (spots 6 mm thick):	11 sq. m (114 sq. ft.);

TECHNICAL GUIDE

GENERAL APPEARANCE:	Homogenous paste, free of lumps, easy to use.	
COMPOSITION:	Synthetic rubber and resins (binder), inert charge (pigment), solvents (volatile material) and other additives.	
APPLICATION METHOD:	Caulking gun, V notched trowel	
APPLICATION SITE:	Indoors / outdoors	
SURFACE DRYING TIME:	Within 15 minutes (10 minutes if outdoors).	
CLEANER (wet product):	Use mineral spirits.	
CLEANER (dry product):	Use a putty knife and mineral spirits or another effective solvent; take care not to affect the other surfaces with too strong a solvent.	
CLEANER (skin contact):	Whenever possible, wash with mineral oil, then wash carefully with soapy water and rinse.	
FLAMMABILITY:	At application:	very flammable;
	Dry:	combustible.
STANDARDS:	Associated with the CAN/CGSB 71.26 standard	
SERVICE TEMPERATURE:	Minimum:	-30°C (-22°F);
	Maximum:	50°C (122°F).

RESTRICTIONS

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

On certain conditions, mechanic fasteners may be required.

In general, «MULCO ADHESIVE # 88» is used for adhesion on metal.

Use «MULCO ADHESIVES # 76, 766 or 28» for adhesion of parquet flooring.

Use «MULCO ADHESIVES # 97» cushion floors adhesion.

Do not use on painted or varnished surfaces without thoroughly sand the surface.

Adhesion of materials subject to immersion cannot be guaranteed.

At least one of the surfaces must be porous in order for the adhesive to dry.

The drying time of «MULCO 80» depends on temperature, materials, relative humidity and ventilation.

Its initial drying time is 24 hours; its full drying time can exceed 10 days at 25°C (77°F), 50% relative humidity without air circulation. Higher temperatures or air circulation will short those times. At lower temperature, high relative humidity or with some materials the drying times will be longer.

Adhesion of material not specifically mentioned cannot be guaranteed.

It is up to the customer to make his own performance tests or to consult our technical department.

SAFETY PRECAUTIONS**KEEP OUT OF THE REACH OF CHILDREN.**

Before using «MULCO 80», consult the product material safety data sheet (MSDS)

Avoid using it in a place where the solvents evaporating from «MULCO 80» could affect food or any other product sensitive to odors or inside residences where sensitive people are present.

«MULCO 80» contains flammable solvents. Do not smoke when using the product. Work in good ventilation conditions.

Suppress all flash sources, flames or intense heat at the working place and near it.

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