



# TECHNICAL DATA

PRODUCT CODE

388 000

## «ALL-PURPOSE CONSTRUCTION ADHESIVE MULCO 88»

Technical data # 20060914

### DESCRIPTION

Rubber and light petroleum distillate based construction adhesive.

### INTENDED USES

Especially formulated for multipurpose construction bonding applications. «MULCO 88» can be used indoors and outdoors to bond: gypsum, rigid insulation, wood, ceramillite®, wall panels (certain plastics, pre-finish, etc.), baseboards, cork, acoustic tiles, ceramic floor tiles (reparation) on surfaces of gypsum walls, plywood, masonry or cured concrete. «MULCO 88» can be used for adhesion of light metallic pieces on porous surfaces.

**REMARK:** Does not withstand immersion (tanks).

### ADVANTAGES

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

### STORAGE AND APPLICATION TEMPERATURE

«MULCO 88» does not deteriorate below freezing point. Anyhow, since its viscosity and its drying time increases when the temperature drops down, it is recommended to store it in a dry place the temperature of which is between 10°C (50°F) and 30°C (86°F) to make its use always possible. Thus, the unopened containers could be preserved for 3 years.

«MULCO 88» can be applied either in winter or in summer. Anyhow, to make its use easier, the product must be at a temperature higher than 10°C (50°F). If the application of «MULCO 88» 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.

**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.

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 88» should not be used on that floor, a false floor must be built including a vapor barrier.**

Verify the presence of efflorescence salts.

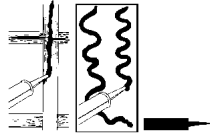
If necessary, treat with a 5 to 10% muriatic (hydrochloric) acid solution or another specific acid solution. Let work for 20 minutes or according to product's instructions. Swill out several times and let dry out (at least 72 hours).

### REQUIRED PRIMER

«MULCO 88» generally does not require priming on most bares building materials surfaces as: gypsum, plywood, particleboards, chipboards, concrete (28 days old), masonry ceramic (unpolished), fiberglass, painted or stained surfaces and many common building materials.

**APPLICATION**

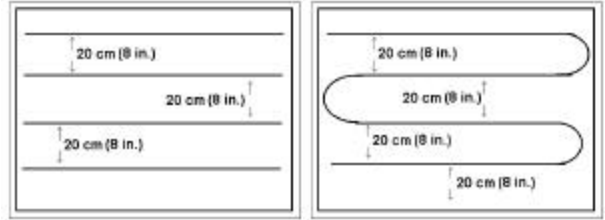
**By bead:**



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.



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.

**Bathtub wall kit:** Apply a bead on the perimeter and with a serpentine shape. **Take care to follow the product coverage.** Affix the material before 5 minutes; remove a little for 3 to 4 minutes and replace.

**By trowel:**



Because «MULCO 88» drying speed, applicator must use a 3/16 in. (5 mm) or bigger square notched trowel.

In general, the use of a 5 mm (3/16 in.) square notched trowel is sufficient for smooth materials (do not use V notched or a too small notched trowel). For very uneven surfaces, a trowel with larger notches may be required.

During application, clean regularly trowel notches.

Apply the adhesive on entire surface using a trowel to ensure a strong bond between the two surfaces.

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.

The adhesive must be smoothed out when the material is put in place.

Be sure the adhesive is tacky upon putting the material in place.

**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.



**Ceiling:** Use the adhesive, following one of the methods mentioned earlier, with metal fasteners. If the adhesive applied by spots, spots must have at least 1 cm (1/2 in.) thick

**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 must not take longer than 15 minutes since the start of the application.

If the material slides, use more adhesive or, put in place before 5 minutes, remove it, wait 3 to 4 minutes and replace it.

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**

<b>Per 300 ml cartridge:</b>	<b>By bead:</b> .....	9 linear metres (27 linear feet) of bead 9 mm (3/8 in.); 1.2 sq. m (13.1 sq. ft.).
	<b>By spot (spots 6 mm thick):</b> .....	3 sq. m (34 sq. ft.);
	<b>By spot (spots 1 cm thick on ceiling):</b> .....	2 sq. m (20 sq. ft.).
<b>Per 800 ml cartridge:</b>	<b>By bead:</b> .....	25 linear metres (73 linear feet) of bead 9 mm (3/8 in.); 3.25 sq. m (35 sq. ft.).
	<b>By spot (spots 6 mm thick):</b> .....	8 sq. m (91 sq. ft.);
	<b>By spot (spots 1 cm thick on ceiling):</b> .....	5 sq. m (54 sq. ft.).
<b>Per litre:</b>	<b>Trowel (5 mm (3/16 in.) square notched):</b> .....	0.9 sq. m (9 sq. ft.)
	<b>By spot (spots 6 mm thick):</b> .....	11 sq. m (114 sq. ft.);
	<b>By spot (spots 1 cm thick on ceiling):</b> .....	6.3 sq. m (68 sq. ft.).

**TECHNICAL GUIDE**

<b>GENERAL APPEARANCE:</b>	Homogenous paste, free of lumps, easy to use.
<b>COMPOSITION:</b>	Synthetic rubber and resins (binder), inert charge (pigment), solvents (volatile material) and other additives.
<b>APPLICATION METHOD:</b>	Caulking gun, putty knife, square notched trowel
<b>APPLICATION SITE:</b>	Indoors / outdoors
<b>SURFACE DRYING TIME:</b>	5 to 15 min.
<b>CLEANER (wet product):</b>	Use mineral spirits.
<b>CLEANER (dry product):</b>	Use a putty knife and mineral spirits or another effective solvent; take care not to affect the other surfaces with too strong a solvent.
<b>CLEANER (skin contact):</b>	Whenever possible, wash with mineral oil, then wash carefully with soapy water and rinse.
<b>FLAMMABILITY:</b>	At application: ..... very flammable; Dry: ..... combustible.
<b>STANDARDS:</b>	Associated with the standards 71-GP-24M, CAN/CGSB 71.25, CAN/CGSB 71.26
<b>SERVICE TEMPERATURE:</b>	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.

Do not use to bond cushion floors.

Do not use to bond polyethylene or polypropylene.

In some cases it will be to your advantage to thoroughly sand painted or varnished surface because the strength of the adhesion cannot exceed the adhesion of the paint to 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 88» 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.

Drying of the adhesive is slower at low temperature, high humidity or with some materials.

The present recommendations are based on conclusive tests. The latter does not guarantee uses not under the manufacturer's control. For applications with or on non-specified materials, consult our technical department.

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 88», consult the product material safety data sheet (MSDS)**

Avoid using it in a place where the solvents evaporating from «MULCO 88» could affect food or any other product sensitive to odors or inside residences where sensitive people are present.

«MULCO 88» 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.

If the product is used indoors, well ventilate to the outdoors. Do not recycle the air.

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