



TECHNICAL DATA

PRODUCT CODE

«ALL-PURPOSE CONSTRUCTION ADHESIVE MULCO 99»

399 000

Technical data # 20080903

DESCRIPTION

One component polyurethane construction adhesive especially formulated to be used indoor or outdoor.

INTENDED USES

Formulated to bond gypsum, wood, cork, ceramic floor tiles (reparation) on gypsum walls or on surfaces of plywood, particleboard, chipboard, masonry or cured concrete. «MULCO 99» can be used for adhesion of light metallic pieces on porous surfaces. «MULCO 99» can bond wet, frozen or treated lumber.

The performances of «MULCO 99» as well as its easy use make it an ideal choice for numerous utilizations such as professional applications in the field of construction and restoration as well as for applications made by the handyman.

REMARK: Does not withstand immersion (tanks);
adhesion on the walls can require a mechanical stand during the adhesive drying.

ADVANTAGES

- ⇒ Ultra fast bond
- ⇒ Sticks on dry or damp surfaces
- ⇒ Professional quality
- ⇒ Multipurpose product with a remarkable adhesion on numerous porous building materials
- ⇒ Flexible

STORAGE AND APPLICATION TEMPERATURE

«MULCO 99» is not deteriorated by freeze.

However, since its viscosity increases when the temperature drops down, it is recommended to store it in a dry place where the temperature is between 5°C (40°F) and 30°C (86°F) to keep it ready for use.

Thus, the sealed containers could be preserved for 1 year.

SURFACE PREPARATION

The surface must be in a seemingly new, firm, 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. 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 hydrostatic pressure. The surface must be at least 3°C (5°F) above dew point and the relative humidity must be lower than 85%.

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 dry at least 72 hours. Concrete temperature must be at least 5°C (40°F). Low temperatures slow water migration and falsely 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).

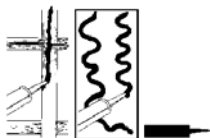
If it exists, (concrete getting darker or presence of droplets), «MULCO 99» should not be used on that floor, a false floor must be built including a vapor barrier.

REQUIRED PRIMER

«MULCO 99» generally does not require priming on most bares building materials surfaces as: gypsum, plywood, particleboards, chipboards, concrete (28 days old), masonry, painted or stained surfaces and many common building materials.

A P P L I C A T I O N

By bead:



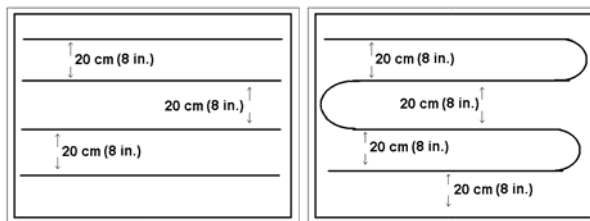
Cut the nozzle of the cartridge at a 90° angle, at a dimension that extrudes beads of at least 7 mm (1/4 in.) in diameter.

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.

By spot: apply spots of 2 cm (3/4 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.

FLOOR: Leave at least 13 mm (1/2 in.) between flooring and all walls or fixed objects.

In all cases wait at least 24 hours before applying any force on the materials (traction, traffic, movement, etc.).

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 45 minutes from the start of the application.

C O V E R A G E

Per 300 ml cartridge:	By bead:	2 sq. m. (20,6 sq. ft.);
	by spot (spots 6 mm thick):	4.5 sq. m (48 sq. ft.);
Per 800 ml cartridge:	By bead:	5 sq. m (50 sq. ft.);
	by spot (spots 6 mm thick):	11 sq. m (125 sq. ft.);

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

GENERAL APPEARANCE:	Homogeneous paste without lumps, easy to use.
COMPOSITION:	Moisture cure polyurethane polymer (binder), inert charge (pigment), solvents (volatile materials) and other additives.
APPLICATION METHOD:	Caulking gun
APPLICATION SITE:	Indoors / outdoors
SURFACE DRYING TIME:	45 min.
CLEANER (wet product):	Wash the tools and equipment with acetone or mineral spirit immediately after use. Do not let them dry.
CLEANER (dry product):	Remove excess by trimming with knife and / or sanding; cured product cannot be removed by solvent.
CLEANER (skin contact):	Whenever possible, wash with mineral oil then carefully wash with soapy water and rinse. If the product has dried, wash with mineral oil, then wash with an abrasive soap and rinse carefully with warm water.
FLAMMABILITY:	Combustible.
STANDARDS:	«MULCO 99» cartridges meet AFG-01, ASTM C-557 et ASTM D-3498
SERVICE TEMPERATURE:	Minimum: -40°C (-40°F); Maximum: 50°C (122°F).

RESTRICTIONS

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

Temperatures lower than 25°C (77°F) may delay the drying process.

Some conditions require mechanical fasteners.

In some cases it will be advisable 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 99**» depends on temperature, materials, relative humidity and ventilation.

The different properties of the product have been verified at 25°C (77°F), 50% relative humidity, and without air circulation, results may vary depending on temperature, humidity, thickness of film and ventilation conditions.

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

Do not use to bond cushion floors, polyethylene, polypropylene or plastic material.

Adhesion of material not specifically mentioned cannot be guaranteed.

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

SAFETY PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

Before using «MULCO 99», consult the product material safety data sheet (MSDS).

Wear protective eye gear. Avoid contact with eye and skin.

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

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