



TECHNICAL DATA

PRODUCT CODE

«NATURAL WOOD PARQUET FLOORING ADHESIVE MULCO #28»

328 000

Technical data # 20060914

DESCRIPTION

Synthetic latex rubber based non-flammable and non-toxic vapor adhesive to bond natural wood parquetry that requires sanding.

INTENDED USES

Indoors uses to bond natural wood parquetry that requires sanding and varnishing, on bare floors of plywood or cured concrete.

REMARKS: → Does not withstand continuous or temporary immersion;
→ Not to be used on particleboards.

ADVANTAGES

⇒ Professional quality. ⇒ Remarkable adhesion. ⇒ Flexible, follows wood movements.
⇒ Ease of application. ⇒ Weak odor. ⇒ Non-flammable.
⇒ Non-toxic vapor.

STORAGE AND APPLICATION TEMPERATURE

«MULCO #28» contains water. It is irremediably damaged if frozen. Always store it in a dry place of which the temperature is between 15°C (60°F) and 30°C (85°F). Thus, the unopened containers could be preserved for 3 years.

Unwrapped and store wood flooring during 24 hours in the workroom before installation. To allow the product to dry, the product, 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 #28» 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 old coating, paint, wax, silicone, asphalt or tar products (coating, adhesive, etc.), and all loose or foreign material. The surface must not be crumbly, soft or fragile. It must also be free of any humidity or hydrostatic pressure.

PLYWOOD BOARDS:

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.).

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

The surface must present no trace of 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 #28» 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 #28» generally does not require priming on bare plywood or on bare concrete (28 days old).

APPLICATION



Spread the adhesive with a 5 mm (3/16 in.) V notched trowel. The use of another trowel will give uncertain results. Press wood flooring over adhesive with a uniform pressure. The wood flooring 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 wood flooring 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 material. Re-trowel the adhesive and apply a new coat, all the while working more quickly.

LEAVE A SPACE OF AT LEAST 13 mm (1/2 in.) BETWEEN WOOD FLOORING AND WALLS OR FIXED OBJECTS.

NOTE: Some wood flooring pieces could be non linear before application. Do not use those pieces or use them where defects are not obvious. The adhesive cannot correct initial defect of wood flooring.

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

COVERAGE

Approximately 2 sq. m (21 sq. ft.) (less on very rough surfaces).

TECHNICAL GUIDE

GENERAL APPEARANCE:	Viscous liquid, free of lumps, easy to use.	
COMPOSITION:	Synthetic latex rubber (binder), inert charge (pigments), water (volatile material), bactericide and other additives.	
APPLICATION METHOD:	V notched trowel (3/16 in.) only.	
SURFACE DRYING TIME:	15 min.	
FREEZE / THAW STABILITY:	«MULCO #28» is irremediably damaged if frozen.	
CLEANER (wet product):	Use water.	
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 water. If the product is dry, wash with mineral oil, then with soap and water and rinse.	
FLAMMABILITY:	At application:	non-flammable;
	Dry:	combustible.
STANDARDS:	Associated with the standards CAN/CGSB 71.27M.	
SERVICE TEMPERATURE:	Minimum:	-30°C (-22°F);
	Maximum:	50°C (122°F).
VOC content:	1.0%	
Regulatory VOC (less water and exempt solvent):	12.9 g/L	

RESTRICTIONS

KEEP FROM FREEZING DURING THE APPLICATION AND DRYING TIME. Never apply at a temperature below 15°C (60°F) or if the temperature should drop below 15°C (60°F) during the days following the application.

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

The initial drying time of «MULCO #28» is 24 hours; its full drying time can exceed 10 days.

Use only on plywood or cured concrete floors. Do not use in rooms subjected to high humidity (bathroom, laundry room, sauna, non insulated basement, etc.).

Considering the variety of woods and finishes available for particleboards, adhesion cannot be guaranteed.

On particleboards, use «MULCO #76».

The surfaces of the floor and the back of the wood flooring must be porous in order for the adhesive to dry.

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

Use «MULCO #766» or «MULCO #76» adhesive to bond parquet flooring that does not require sanding.

Open and drying times have been obtained at 25°C (77°F), 50% relative humidity and with no air circulation. At higher temperatures or if there is air circulation, both times may be shorter. If the temperature is lower or the humidity is greater, both 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 #28», consult the product material safety data sheet.

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