



TECHNICAL DATA

PRODUCT CODE

«LATEX BASED CERAMIC WALL AND FLOOR TILE ADHESIVE «MULCO 49»

349 000

Technical data # 20060914

DESCRIPTION

Synthetic latex rubber based non-flammable and non-toxic vapor ceramic tiles adhesive.

INTENDED USES

«MULCO 49» can be used indoors to bond ceramic tiles on gypsum, plywood or cured concrete.

REMARKS: → Not to be used on particleboards;
→ Does not withstand immersion (tanks).

ADVANTAGES

⇒ Remarkable adhesion.	⇒ Professional quality.	⇒ White color.
⇒ Ease of application.	⇒ Ecological product, emits less than 0.5% of organic volatile compounds.	⇒ No toxic vapor.
⇒ Non-flammable.		⇒ Weak odor.

STORAGE AND APPLICATION TEMPERATURE

«MULCO 49» 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.

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 49» 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 49» 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 49» generally does not require priming on bare plywood or on bare concrete (28 days old).

APPLICATION



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 10 mm (3/8 in.), a width of 6 mm (1/4 in.) and a distance of 6 mm (1/4 in.) between notches. 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. The material must be put in place immediately and must not take longer 15 minutes since the start of the application. 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 24 hours before to grout.

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

COVERAGE PER LITRE

Trowel 5 mm (3/16 in.) V notched: 1.6 sq. m. (17 sq. ft.)

Trowel 10 mm (3/8 in.) square notched: 0.5 sq. m. (5 sq. ft.)

TECHNICAL GUIDE

GENERAL APPEARANCE:	Homogenous paste, free of lumps, easy to use.	
COMPOSITION:	Synthetic latex rubber (binder), inert charge (pigments), water (volatile material), bactericide and other additives.	
APPLICATION METHOD:	Trowel.	
SURFACE DRYING TIME:	15 min.	
FREEZE / THAW STABILITY:	«MULCO 49» 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:	CAN/CGSB 71-GP-22M type.	
SERVICE TEMPERATURE:	Minimum:	-30°C (-22°F);
	Maximum:	50°C (122°F).
VOC content:	0,1%	
Regulatory VOC (less water and exempt solvent):	1,92 g/L	

RESTRICTIONS

KEEP FROM FREEZING DURING THE APPLICATION AND DRYING TIME.

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

The surfaces of both materials must be porous in order for the adhesive to dry. Do not use on painted, waxed or varnished surfaces without thoroughly sand the surface.

The initial drying time of «MULCO 49» 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 time will be longer.

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

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 49», consult the product material safety data sheet.

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