FESTERBOND

Multi use adhesive

White liquid compound based on styrene acrylic resins in dispersion.

It complies with the Norm ASTM C-1059 Type II

USES

- **As Bonding Agent:**

To bond new mortar to old concrete.
To bond mortar or gypsum to walls, columns, girders, ceilings, etc.
To restore floors, walls, cracks, masonry, plastering, etc. To bond mortars in roadbeds that will be covered with parquet, vinyl tile, asphalt tile, carpet, etc.
For cement roof grouting, improving the surface before applying any waterproofing system.

- **As Fortifier**

For lime paints, cement paints, vinyl paints or acrylic paints.
For grouts: water + cement.
For mortars: sand + cement + water.

- **As Sealant:**

For Porous surfaces, such as dubbing-out, scratch coat, bricks, rustic plastering, etc.
For porous elements such as block, slab, mug tile, etc.

ADVANTAGES

- It enhances bonding properties in masonry mortars and in mortars used to support clay tiles, terrazzo, mosaic, latticework, etc.
- Formulated with styrene acrylic resins, it is not affected by the concrete or lime alkalinity like other resins. Consequently, makes durable mortars where it is used.
- Highly bonding, as well as resistant to humidity, tensile stress and abrasion.
- Because of its bonding power, Festerbond solves multiple problems related to bonding or binding of mortars, grouts, gypsums, tyroleans, paints, etc.
- As bonding agent or sealant, it reduces the permeability.
- Applied as sealant, once it is dry, it is colorless and resistant to humidity.
- Easy to apply.
- No toxic unless ingested.
- Weathering resistant.

APPLICATION INSTRUCTIONS

1. Surface preparation

Whenever Festerbond or the mixtures including it are applied, the surface must be clean, dry, as well as free from dust, oil and loose particles. Once the surface has been prepared, apply or distribute as necessary.

2. Mixture and application

As bonding agent

To bold new mortar to old concrete, increase thickness on cementitious floors or mortars (not for vehicular use). I) Seal the surface diluting Festerbond in water at a 1:1 yield in case of porous surface, and at 1:2 ration in case of a very porous surface. II) Apply a layer of non-diluted Festerbond with a paintbrush or roller, apply the finish before the bonding agent becomes dry.

Added to the mixture, improving its adhesion.

Add Festerbond to the mixture water or directly to mortar at a yield of 1L of Festerbond per 5 kg of cement or 8 to 10 L per 50 kg cement bag.

As Sealant

For porous surfaces, mix Festerbond with water at a mixture rate of 1:1 and, for very porous surfaces at a mixture rate of 1:2 ; apply 2 coating layers with a paintbrush or roller.

As fortifier

For cementitious mortars or grouts, add 1L of Festerbond to 5 kg of cement or 8 to 10 L per 50 kg cement bag (or add the bonding to the mixture). In paints, tyrolean or plaster, the more Festerbond is applied, the more adhesion is obtained.

YIELD

Bonding Agent	On absorbing surfaces, as sealant 1:1 4 to 6 m^2/L. (1 layer) On very absorbing surfaces, as sealant 3 to 4 m^2/L (1 layer)
SEALANT	1:2 dilution with water 3 to 4 m^2/L
FORTIFIER	For mortars or grouts 8 to 10 L/ 50 kg bag

PACKAGING

PRESENTATION	1L Bottle 4 L Bottle 19 L Bucket 200 L Barrel
STORAGE	Keep it in a dry and well ventilated place, and protected from sunlight.
EXPIRATION	12 months
MAXIMUM STOWAGE	1L Bottle: 3 pieces one on top of the other 4L Bottle: 4 pieces one on top of the other 19L Bucket: 5 pieces one on top of the other Barrel: 3 pieces one on top of the other

IMPORTANT INFORMATION

When it is used as bonding or binding agent in gypsum, tyrolean and plastering, these latter must be applied before Festerbond dries (it must be completely fresh).
It must not be applied when the environment temperature is lower than 5°C.

PRECAUTIONS

Use the recommended personal protective equipment (see the Safety Data Sheet).
Do not use this product in binding material subject to structural efforts.
Keep out of reach of children.

ECOLOGICAL FEATURES

Festerbond contributes to increase the demand of material and construction products extracted or manufactured in the region, reducing the environmental impact of transportation
Festerbond contributes to improve the environment quality, by reducing the amount of pollutants with bad smell, irritating or harmful for worker and resident well-being. Its VOC content is 5.45 g/L.

PHYSICAL AND CHEMICAL PROPERTIES

Production site: Carretera Panamericana Km. 312 Tramo Libre. Celaya-Salamanca, Guanajuato CP. 36700.

Test	ASTM Method	Specification
Density [g/m^3]	D - 1475	0.985 - 1.030
Stormer Viscosity @ 25°C, (KU)	D - 662	70.0 - 80.0
pH	E - 70	7.0 - 10.0
No volatile material [%]	D - 2369 modified	26.0 minimum
Concrete adhesion @ 28 days [kg/cm^2]	D - 1042	25.0 minimum
Mortar's compressive strength, 5x5x5 cubes at 28 days of drying, at environment temperature [kg/cm^2]	C- 109	100

Notes: The data included was obtained under laboratory conditions, at 24 ºC +/- 1, and at 50% of relative humidity.

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