FESTERBOND

Multi-purpose adhesive

White liquid compound formulated with styrene-acrylic resins in dispersion.

Complies with ASTM C-1059 Type II

USES

Festerbond is widely recommended as:

Fortifier or enhancer of :

Mortars incorporating **Festerbond** in the mixtures: cement + sand + water + **Festerbond.**

Creates an ideal mortar for leveling floors before finishing with ceramic tiles, parquet, carpeting, etc. It is also ideal for correcting slopes in rooftops prior to waterproofing in flattened, plasters and placement of clay tiles, terrazzo, mosaic, lattice bricks, among many other uses.

Slurries: cement + water + silica sand + **Festerbond**.
Slurries provide a uniform finish to the concrete features and also improve the substrate prior to waterproofing.

Finishing pastes: cement + marble grains + calcium carbonate + lime + water + **Festerbond**.

Lime, cement or vinyl paints + **Festerbond**.

Putties: cement or gypsum + sifted sand or fine marble dust to repair holes, fissures or cracks in walls.

Adherent for:

(by applying Festerbond on the surface)

You can adhere new mortars to existing concrete or mortar;

Join plaster to walls, columns, beams, false ceilings, etc.

Adhere mortars to prepare substrate for ceramic tiles, parquet, vinyl or asphalt tile, carpet, etc.

Sealant for:

Porous surfaces in rough mortar-finished walls, bricks, blocks, clay finishes, etc., and anywhere you wish to achieve a sealed apparent finish.

Seal the surfaces of drywall, gypsum board or cement surfaces, or any other porous surface, prior to the application of any paint or textured coating.

ADVANTAGES

- Incorporating **Festerbond** to mortar mixes improves consistency, plasticity, workability, adhesiveness, cohesiveness and surface hardness.
- **Festerbond** enhances ease of application, adhesion, hardness and durability of slurries.
- **Festerbond** in mixtures fluidifies the mix, which reduces water consumption (replacing water with **Festerbond**), while improving the overall properties of mixtures.
- **Festerbond's** compounds help mortars and slurries resist alkalinity of cement or lime, while providing mixtures high resistance and durability in environments of extreme humidity or salinity, unlike mortars treated with other adherent additives, **Festerbond** treated mortar and slurries do not age prematurely.
- As an adherent or sealant it reduces permeability.
- Once applied as sealant, it is colorless and moisture resistant.
- Easy to apply.
- Non-toxic.
- Weathering resistant.

APPLICATION INSTRUCTIONS

1. Surface preparation.
For all applications using **Festerbond** in mortars and slurries, the substrate surface must be clean, dry, free of dust, oil, releasing agents and loose particles. Once the surface is prepared, proceed to apply product as the recommended yields provided in the table.

2A. As a fortifier, incorporated to the mix improves adhesion.
For mortars, cement-based pastes or slurries, add **Festerbond** to the ready-made mixture or add it to the mix water.
To fortify paints, add **Festerbond** little by little and mix evenly. We recommend testing results as more and more **Festerbond** is added to the paint in order to reach the optimal paint performance.

2B. As an adherent.
To adhere new mortar to existing concrete or mortar for the purpose of leveling floors, flattened, plasters or general repairs (not for vehicular transit), first seal the existing surface by diluting **Festerbond** with water at a ratio of 1:1 (for very porous surfaces dilute 1:2). Once the surface is sealed, apply a coat of undiluted **Festerbond** using a brush or plush roller and apply the mixture or finish before **Festerbond** dries.

2C. As a sealant
For porous surfaces on walls, dilute **Festerbond** with water at a ratio of 1:1, or 1:2 to seal highly porous surfaces. Apply 2 coats with brush or plush roller, allowing 1st coat to dry before applying the 2nd coat. Follow this indication when leaving the sealant as apparent finish or prior to the finishing with paint or textured coating.

YIELD

FORTIFIER	For mortars or slurries, use 1 L of **Festerbond** per 5 kg of cement and 8 to 10 L for each bag of cement of 50 kg. To fortify paints, use from 3 to 4 L / 19 L bucket of paint.
BONDING AGENT	For 1st coat use 1:1 dilution at a yield of 5 m^2/L. For adherent coat, apply 1 undiluted coat at a yield of 5 to 6 m^2/L.
SEALANT	On porous surfaces, dilute product 1:1 with water and apply dilution at a yield of 4 to 6 m^2/L per coat. Always applying two coats. On highly porous surfaces, dilute product 1:2 with water and apply dilution at a yield of 3 to 4 m^2/L per coat. Always applying two coats.

IMPORTANT INFORMATION

- Follow yield recommendations.
- **Festerbond** added to mixtures delivers optimal adhesion results.
- Do not add **Festerbond** to concrete or mortar mixtures where strength is the primary goal.
- When used as an adherent or binder in plasters or plasterwork finishes, must be placed before the **Festerbond** substrate dries (i.e., completely fresh), otherwise a new **Festerbond** coat must be applied.
- **Festerbond** is not recommended in mixtures or as a binder in structural cements.
- **Festerbond** is not recommended as a finish or sealant for concrete floors or other materials.
- **Festerbond** should not be applied when the room temperature falls below 5°C.

PRECAUTIONS

- Always use recommended personal protection equipment (See safety data sheet).
- Do not leave product within reach of children.

PACKAGING AND CONTAINERS

PRESENTATION	1L Can 4 L Can 19 L Bucket 200 L Drum
STORAGE	Store in a cool, dry place away from direct sunlight
SHELF LIFE	12 months
STACKING	1L Can: stacks of 3 4 L Can: stacks of 4 19 L Bucket: stacks of 5 200 L Drum: stacks of 3

ECOLOGICAL PROPERTIES

Festerbond drives demand for regionally produced construction products and materials, thereby reducing environmental impact of transportation.

With **VOC** of **< 1.84 g/L, Festerbond** contributes to improve the quality of the environment by reducing foul, irritating fumes that can be harmful to the well-being of workers and building occupants.

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

PHYSICAL AND CHEMICAL PROPERTIES

TEST	ASTM METHOD	SPECIFICATION
Appearance	E-284	Milky color, viscous liquid
Density [gr/m³]	D - 1475	1.00 to 1.03
Stomer viscosity @ [25°C] (KU)	D - 562	84 to 88
pH	E - 70	7.0 to 8.5
Solids content by weight [%]	D - 2369	25.0 to 27.0
Adhesion to concrete @ 28 days [kg/cm²]	D - 1042	25.0 minimum
28-day compression resistance of 5 x 5 x 5 cm mortar blocks @ 25°C [kg/cm²]	C - 109	100 minimum

Note: The data cited herein were obtained under HENKEL laboratory conditions, 24 ºC +/- 1 y 50% of relative humity.

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