

EUCOBIND ASPARTIC

POLYASPARTIC BINDER, SOLVENT-FREE.

FIELD OF APPLICATION

EUCOBIND ASPARTIC is a polyaspartic based, 2-component, solvent-free binder. It is a universal binder intended for all preparatory work before applying self-levelling floors, coatings and multilayer synthetic resin floor systems consisting of polyaspartic, epoxy and polyurethane.

- As a primer on concrete, prepared surfaces.
- As a primer for polyaspartic, epoxy and polyurethane synthetic resin systems.
- As a primer on existing, old polyaspartic, epoxy and polyurethane synthetic resin systems.
- As a scraping layer, egaliser or as repair mortar.
- particularly suitable for car parks, garages, warehouses, industrial halls, laboratories, private applications, food, shopping centres, museums, ...

BENEFITS & FEATURES

- Can be used indoors and outdoors.
- Almost odourless.
- New technology - combination of good properties from other synthetic resin systems.
- VOC emissions practically reduced to 0.
- Can be overcoated after 2 hours (at 20°C).
- Pedestrian accessible from 2.5 hours after application (at 20°C).
- Excellent adhesion.
- Broadcasting is possible (for primer applications) to further improve the mechanical adhesion between system and primer.
- Easy to process.
- Can be diluted (with max. 2% EUCOSOLV ECO).

APPLICATION

Application conditions

EUCOBIND ASPARTIC must be stored between +15 and +25°C, approximately 24 hours before application. The surface, the ambient temperature and the temperature of the equipment to be used must be between +5°C and +30°C.

Relative ambient humidity: max. 80%.

Substrate moisture content: < 4% (weight percent).

Compressive strength of the substrate: min. 25 N/mm²

Tensile strength of the substrate: min. 1.5 N/mm²

Dew point before and during application and during curing: The temperature of the substrate must be +3°C higher than the dew point.

Provide sufficient ventilation after application to obtain good curing of the product.

Tools & complementary products

- Mixer with spindle.
- Rubber squeegee, brush or paint roller (12 mm hair and suitable for synthetic resin) for primer applications.
- Trowel, tooth comb or rake for scraping / levelling applications.
- Clean mixing containers.

- Masking tape.
- Trowel and spatula for mortar applications.

Order separately:

- EUCOSOLV ECO (*optional)
- EUCOGRAN 0.4-0.8 (if broadcasting of primer is desired)
- EUCOGRAN SL (for scraping compound or levelling layer)
- EUCOGRAN M (for mortar)
- EUCOSOLV MEK (for tool cleaning)

Preparations

The surface to be treated must be dry and free of standing water (moisture content <5%). Make cracks, joints and other parts showing water leaks completely water and leak proof with the EUCOCHEM BV EUJOINJECT injection resins. Existing screeds and concrete surfaces must be at least 28 days old. Remove loose, poorly adhering or insufficiently load-bearing parts mechanically. Then brush well and remove dust with an industrial vacuum cleaner.

Repair the areas that are insufficiently flat with a scraping / levelling egaliser or mortar complementary to the system to be installed. (EUCOBIND ASPARTIC binder + fillers). The surface must be free of dirt, grease, release agent, grease, old, demoulding oil, cement skin, old paint layers that do not adhere well, coatings, synthetic resin layers, adhesives, bitumen, ... or other matters that can adversely influence the adhesion.

The substrate must therefore also be mechanically pretreated. For example by bullet blasting, sandblasting or by sanding the surface.

When applying EUCOBIND ASPARTIC on existing old coatings, always sufficiently sand, degrease, make dust-free and clean the surface. Always use clean equipment and clean mixing containers.

Preparation of the product

First mix both components mechanically for 2 minutes with a mixer and spindle. Then add the B component completely to the A component and mix again for at least 2 minutes until a homogeneous mixture is obtained. If desired, EUCOBIND ASPARTIC can now be diluted with EUCOSOLV ECO. (Max. 2 %). Mix again.

The mixing operations are carried out with a mixer at low speed (max. 300 rpm) in order not to include air in the resin. This avoids the formation of air bubbles in the mixture.

After mixing, the product is ready for use as a primer or as a binding agent for the preparation of a scraping compound, a levelling mortar or a repair mortar.

Preparing a scraping compound:

Gradually add EUCOGRAN SL to the prepared EUCOBIND ASPARTIC resin mixture and at the same mix until a homogeneous, lump-free mass is obtained. After this, the product is ready for use.

Mixing ratio: 2/1 (weight) - Resin / Filler.

= 5 kg EUCOBIND ASPARTIC set + 2,5 kg EUCOGRAN SL
= 10 kg EUCOBIND ASPARTIC set + 5 kg EUCOGRAN SL

Preparing as an egaliser:

Gradually add EUCOGRAN SL to the prepared EUCOBIND ASPARTIC resin mixture and at the same mix until a homogeneous, lump-free mass is obtained.

After this, the product is ready for use.

Mixing ratio: 1/1 (weight) - Resin / Filler.

= 5 kg EUCOBIND ASPARTIC set + 5 kg EUCOGRAN SL

= 10 kg EUCOBIND ASPARTIC set + 10 kg EUCOGRAN SL

Preparing a mortar:

Gradually add EUCOGRAN SL to the prepared EUCOBIND ASPARTIC resin mixture and at the same mix until a homogeneous, lump-free mass is obtained. After this, the product is ready for use.

Mixing ratio: 1/5 (weight) - Resin / Filler.

= 5 kg EUCOBIND ASPARTIC set + 25 kg EUCOGRAN SL

= 10 kg EUCOBIND ASPARTIC set + 50 kg EUCOGRAN SL

Application of the product

Process the product within 45 min. (at +15°C) / 30 min (at +20°C) / 15 min (at +30°C).

AS A PRIMER:

Application with brush or paint roller:

Pour EUCOBIND ASPARTIC onto the surface to be treated and spread evenly with the paint roller or brush until a completely closed film is obtained.

Application with rubber squeegee + paint roller:

Pour EUCOBIND ASPARTIC onto the surface to be treated and spread evenly with the rubber squeegee until a completely closed film is obtained. Application with a rubber squeegee on smooth, even surfaces is automatically followed by subsequent rolling with a 50 cm wide paint roller. Provide full coverage of at least 300 to 400 gr/m² (depending on the porosity and the roughness of the substrate).

For applications on highly absorbent surfaces, you can opt to apply a second layer of EUCOBIND ASPARTIC. And this within a time span of 2.5 to 8 hours (at +15°C) / 2 to 6 hours (at +20°C) / 1.5 to 4 hours (at +30°C) after application of the first layer.

To further improve the adhesion between primer and synthetic resin system to be applied afterwards, EUCOBIND ASPARTIC may be optionally broadcasted with dried quartz.

AS A SCRAPING / LEVELLING LAYER:

Pour the mixture onto the already primed surface to be treated; Spread evenly with trowel, tooth comb or rake. Provide a coverage of 1.8 kg of mixture / m² / mm. Roll with a spiked roller to eliminate air bubbles.

AS A MORTAR:

Pour the mixture on to the area to be repaired onto the still wet primer. (Wet in wet method). Spread with a trowel and polish with a flat trowel or with a butterfly machine.

Finishing

After 2.5 to 8 hours (at +15°C) / 2 to 6 hours (at +20°C) / 1.5 to 4 hours (at +30°C) after applying EUCOBIND ASPARTIC the next layer of the synthetic resin system can be applied.

Cleaning of the tools

Clean the used tools with EUCOSOLV MEK. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

Does not apply.

TECHNICAL DATA

Consumption

As a primer:

300 to 400 gr/m²/layer depending on the porosity, the chosen system and the roughness of the substrate.

As a scraping mass:

1,4 kg/m²/mm

As an egaliser:

1,6 kg/m²/mm

As a mortar:

11 kg/m²/per 5 mm layer thickness (= 2,2 kg/m²/mm)

Technical data & reaction times

Property	Value
Basic raw materials	Polyaspartic resin - solvent free
Composition	2 components (fillers to be ordered separately)
Density	Resin: comp A: 1,48 kg/dm ³ (+/- 0.05) Hardener: comp B: 1,16 kg/dm ³ Mixture (A+B): 1,40 kg/dm ³ (+/- 0.05)
Mixing ratio	A : B = 3,85 : 1 (in weight)
Tensile strength	> 2 mPa
Dry matter content	98% (+/- 2%)
Flash point	N/A
Aspect - colour	Glossy - translucent
VOC / COV:	Conforms to 2004/42/CE. Limit imposed by the EU for this type of product: 500g/l COV (2010). The mixed product contains: 19 g/l COV.
Odour	Practically odourless

Pot life after mixing:

45 min. (at +15°C)

30 min (at +20°C)

15 min (at +30°C)

Re-coat time:

After 2.5 to 8 hours (at +15°C)

After 2 to 6 hours (at +20°C)

After 1.5 to 4 hours (at +30°C)

Pedestrian traffic:

After 3 hours (at +15°C)

After 2.5 hours (at +20°C)

After 2 to 3 hours (at +30°C)

Light mechanical load:

After 5 hours (at +15°C)

After 4 hours (at +20°C)

After 3 hours (at +30°C)

Full curing + mechanical and chemical load: (Attention: water is also a chemical product)

After 10 hours (at +15°C)

8 hours (at +20°C)

6 hours (at +30°C)

Chemical resistances

Good chemical resistance, also against organic chemical compounds (hydrocarbons). When used in applications with chemically contaminated water, it is advisable to consult your EUCOCHEM BV representative.

Additional documentation & referrals

Always consult all technical data sheets and material safety data sheets of the products to be used. Always work with clean tools in good condition.

APPEARANCE - COMPOSITION - PACKAGING

EUCOBIND ASPARTIC is available as follows:

20 kg set:

Comp. A : 15,88 kg

Comp. B: 4,12 kg

EUCOBIND ASPARTIC can be stored in its original, unopened packaging and in a dry room. Do not store in direct sunlight and between +10°C and +30°C. It has a shelf life of 12 months after production date, provided it is stored under the conditions described above.

ADDITIONAL COMMENTS

For special applications it is advisable to consult your EUCCHEM BV representative.

SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [op www.eucochem.com](http://www.eucochem.com). When in doubt, contact our technical service.

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