

EUCOSEAL ASPARTIC

TRANSPARENT POLYASPARTIC SEALER AND TOPCOAT

FIELD OF APPLICATION

EUCOSEAL ASPARTIC is a virtually odourless, transparent, polyaspartic-based, 2-component, solvent free floor sealer and topcoat for synthetic resin floors consisting of polyaspartic, epoxy or polyurethane. The rapid curing of the resin ensures a rapid reuse of the area to be treated; Can be used indoors and outdoors.

- As a transparent sealer for broadcasted synthetic resin systems consisting of polyaspartic, epoxy or polyurethane.
- As a transparent topcoat for polyaspartic, epoxy or polyurethane synthetic resin floors.
- As a sealer of EUCOCHEM ASPARTIC multilayer floor systems.
- As a sealer for EUCOCHEM ASPARTIC deco systems (with broadcasted quartz granulates).
- 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.
- Pedestrian accessible from 2 hours after application (at 20°C).
- Excellent adhesion.
- Very good chemical and mechanical resistance.
- Easy to process.
- Easy to clean and maintain.
- UV resistant.
- Can be diluted (with max. 2% EUCOSOLV ECO).

APPLICATION

Application conditions

EUCOSEAL 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.
- Squeegee, trowel, paint roller suitable for processing synthetic resins.
- Clean mixing containers.
- Masking tape.

Order separately:

- EUCOSOLV ECO (*optional)
- EUCOGRAN (broadcasting material if anti-slip is desired).
- 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 layer 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 EUCOSEAL 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 component A 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 this, the product is ready for use as a sealer or topcoat.

Application of the product

Process the product within 20 min. (at +15°C) / 15 min (at +20°C) / 10 min (at +30°C).

AS A TOPCOAT

Pour EUCOSEAL ASPARTIC onto the surface to be treated. Roll the coating with a paint roller (12 mm hair) onto the surface and spread evenly until a completely closed film is obtained. Always work crosswise. If necessary a second layer can be applied.

AS A SEALER

Pour EUCOSEAL ASPARTIC onto the surface to be treated. Spread evenly with the rubber squeegee or with a trowel until a completely closed film is obtained. Always work crosswise.

Finishing

Does not apply.

Cleaning of the tools

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

MAINTENANCE AFTER APPLICATION

See the EUCOCHEM BV information leaflet SYNTHETIC RESIN FLOORS - CLEANING AND MAINTENANCE.

TECHNICAL DATA

Consumption

As a topcoat:
300 g/m²/layer.

As a sealer:
600 g/m² - depending on the roughness of the substrate.

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: 1,05 kg/dm ³ (+/- 0.05) Hardener: comp B: 1,16 kg/dm ³ Mixture (A+B): 1,09 kg/dm ³ (+/- 0.05)
Mixing ratio	A : B = 1,5 : 1 (in weight)
Tensile strength	> 2mPa
Dry matter content	99% (+/- 2%)
Flash point	N/A
Aspect - colour	Glossy - transparent
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: 12 g/l COV.
Odour	Practically odourless

Pot life after mixing:
20 min. (at +15°C)
15 min (at +20°C)
10 min (at +30°C)

Pedestrian traffic:
After 2.5 hours (at +15°C)
After 2 hours (at +20°C)
After 1,5 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 load: (Attention: water is also a chemical product)
After 10 hours (at +15°C)
After 8 hours (at +20°C)
After 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

EUCOSEAL ASPARTIC is available as follows:

5 kg set:
Comp. A : 3 kg
Comp. B: 2 kg

EUCOSEAL 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

Expansion joints must be included in the system. Contraction joints, cracks and joints can be overcoated, if treated correctly, provided they are not active and do not / no longer follow the movements / settlement of the building. For special applications it is advisable to consult your EUCOCHEM 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://op.www.eucochem.com). When in doubt, contact our technical service.

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