EUCOCOAT ASPARTIC

COLOURED POLYASPARTIC COATING AND TOPCOAT

FIELD OF APPLICATION

EUCOCOAT ASPARTIC is a virtually odourless, highly filled, coloured, polyaspartic-based, 2-component, solvent free floor coating 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 floor coating.
- As a topcoat for polyaspartic, epoxy or polyurethane synthetic resin floors.
- As part of the EUCOCHEM ASPARTIC multilayer floor systems.
- 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 1.5 hours (at 20°C).
- 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).
- Anti-slip finish possible.

APPLICATION

Application conditions

EUCOCOAT 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/ mm^2
Tensile strength of the substrate: min. 1.5 N/mm^2
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, paint brush and/or roller suitable for processing synthetic resin.
- 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 EUCOINJECT 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 EUCOCOAT ASPARTIC on existing old coatings, always sufficiently sand, degrease, make dust-free and clean the surface. Always use clean equipment and clean mixing containers.
The application of a suitable primer is higly recommended before applying EUCOCOAT ASPARTIC as a coating.

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 coating or topcoat..

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 COATING
Small surfaces:
Pour EUCOCOAT ASPARTIC into a paint tray and apply onto the already primered 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.

Larger surfaces:
Pour the mixture onto the already primered surface to be treated. Spread evenly with the rubber squeegee until a completely closed film is obtained. Application with a rubber squeegee is automatically followed by subsequent rolling with a 50 cm wide paint roller. Always work crosswise. If necessary a second layer can be applied.

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AS A TOPCOAT:
Small surfaces:
Pour EUCOCOAT ASPARTIC into a paint tray and apply 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.

Larger surfaces:
Pour the mixture onto the surface to be treated. Spread evenly with the rubber squeegee until a completely closed film is obtained. Application with a rubber squeegee is automatically followed by subsequent rolling with a 50 cm wide paint roller. Always work crosswise. If necessary a second layer can be applied.

EUCOCOAT ASPARTIC can be finished with an anti-slip effect. Contact EUCOCHEM BV for this.

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 smooth topcoat:
300 to 400 g/m^2/layer.
With anti-slip finish:
1st layer: 400gr/m^2 + broadcasting material.
2nd layer: 350 / 400 g/m^2

Consult the EUCOCHEM system data sheets for more information regarding the consumption.

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	> 2mPa
Abrasion resistance (Taber CS10 - 1 kg)	500 mg after 100 rpm
Dry matter content	98% (+/- 2%)
Flash point	N/A
Aspect - colour	Glossy - RAL - also see the EUCOCHEM COLOUR CHART
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: 18 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 1,5 to 6 hours (at +20°C)
After 1,25 to 4 hours (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 + chemical 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

EUCOCOAT ASPARTIC is available as follows:

20 kg set:
Comp. A: 16,15 kg
Comp. B: 3,85 kg

EUCOCOAT 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. When in doubt, contact our technical service.

All information in this technical data sheet is provided in good faith and without any guarantees. The choice of a product for any application by the buyer or applicator, the processing of the products, the preparations, the finishing, the use of the right equipment to apply the products and all this in the broadest sense, are entirely beyond our control and are therefore entirely the responsibility of the buyer or applicator. Therefore, EUCOCHEM bv bv cannot be held responsible on the basis of what is mentioned above. Should EUCOCHEM bv nevertheless be held responsible for damage incurred, the claim will always be limited to the value of the necessary EUCOCHEM bv products to be delivered in order to carry out a minimal repair. EUCOCHEM bv strives to deliver products of consistent, good quality. All values on the technical data sheet are average values and are the result of tests performed under laboratory conditions. Values that are measured in jobsite conditions and the like may deviate from the stated values. This is because the environmental conditions, the application and the manner of processing our products are also outside our control. Please note that you should not add any products other than those indicated in our technical documentation. Only use EUCOCHEM bv products for a system under construction. If you combine products from different suppliers or brands, the warranty expires irrevocably. When applying the EUCOCHEM bv products it is necessary to draw up a construction site log and to fill it in on a regular basis. EUCOCHEM bv can consult the construction site log at any time and / or request a copy to check whether the products and systems have been correctly installed or installed in accordance with the regulations set by EUCOCHEM bv. We also refer to our general terms and conditions in case of dispute. This version of the technical data sheet replaces all previous versions. Version 1.0 Date: 14 October 2021 11:03 am

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