

# EUCOFLOOR ASPARTIC

## POLYASPARTIC SELF-LEVELLING FLOOR - 2 & 3 MM

### FIELD OF APPLICATION

EUCOFLOOR ASPARTIC is a practically odourless, polyaspartic, solvent-free, coloured, self-levelling cast floor applicable from 2 to 3 mm thick, for indoor and outdoor use. The rapid curing of the resin ensures a rapid reuse of the area to be treated;

- Can be used indoors and outdoors.
- Protection of heavily loaded floors.
- Smooth, durable and glossy finish.
- Recommended for industrial floors in workshops, warehouses, garages, industry, military buildings, public buildings, shopping centres, heavily loaded areas, car parks, ...
- Protects and is liquid-tight.
- Concrete floors.
- Old tiles.
- Old resin coatings (epoxy, polyurethane and polyaspartic).

### 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 2.5 hours (at 20°C).
- Pedestrian accessible from 3 hours after application (at 20°C).
- Excellent adhesion.
- Very good chemical and mechanical resistance.
- Easy to process.
- Easy to maintain and seamless.
- Can be diluted (with max. 2% EUCOSOLV ECO).

### APPLICATION

#### Application conditions

EUCOFLOOR 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<sup>2</sup>

Tensile strength of the substrate: min. 1.5 N/mm<sup>2</sup>

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, tooth comb or rake.
- Clean mixing containers.
- Masking tape

Order separately:

- EUCOBIND ASPARTIC - as a primer (and if necessary as a levelling layer or mortar to prepare the surface).
- EUCOGRAN SL (as a filler for EUCOFLOOR ASPARTIC in a 3 mm application)
- EUCOCOAT ASPARTIC or EUCOSEAL ASPARTIC (topcoat).
- 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 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. Apply a EUCOBIND ASPARTIC primer before applying EUCOFLOOR ASPARTIC.

### 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. Now the product is ready to apply EUCOFLOOR ASPARTIC in a 2 mm thickness.

If 3 mm thickness is required you can now simultaneously add 18,7 kg of EUCOGRAN SL 2 to the already mixed 20 kg set while mixing again until a homogeneous and lump free mass is obtained. Now the product is ready to apply EUCOFLOOR ASPARTIC in a 3 mm thickness.

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.

### Application of the product

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

Pour the mixture onto the already primed surface to be treated. Spread evenly with trowel, tooth comb or rake. Provide coverage of 3,10 kg of mixture/m<sup>2</sup> for the 2 mm application and 4,55 kg of mixture /m<sup>2</sup> for the 3 mm application. Roll (within 15 minutes) with a spiked roller to eliminate air bubbles.

### Finishing

After 2.5 to 8 hours (at +15°C) / 1.5 to 6 hours (at +20°C) / 1.25 to 4 hours (at +30°C) after applying EUCOFLOOR ASPARTIC the coloured topcoat EUCOCOAT ASPARTIC or the transparent topcoat EUCOSEAL ASPARTIC can be applied.

## Cleaning of the tools

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

## MAINTENANCE AFTER APPLICATION

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

## TECHNICAL DATA

### Consumption

2 mm application:

3,10 kg mixture / m<sup>2</sup>

3 mm application:

4,55 kg mixture / m<sup>2</sup>

### Technical data & reaction times

Property	Value
Basic raw materials	Polyspartic resin - solvent free
Composition	2 components (fillers to be ordered separately)
Density	Resin: comp A: 1,6 kg/dm <sup>3</sup> (+/- 0.05) Hardener: comp B: 1,16 kg/dm <sup>3</sup> Mixture (A+B): 1,53 kg/dm <sup>3</sup> (+/- 0.05)
Mixing ratio	A : B = 4,88 : 1 (in weight)
Dry matter content	98% (+/- 2%)
Flash point	N/A
Tensile strength	> 2mPa
Hardness (Shore D - at 23°C and after 7 days)	> 80
Aspect - colour	GLOSS - RAL - also see the EU COCHEM 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: 35 g/l COV.
Odour	Practically odourless

Pot life after mixing:

30 min. (at +15°C)

20 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 3,5 hours (at +15°C)

After 3 hours (at +20°C)

After 2,5 hours (at +30°C)

Light mechanical load:

After 5 hours (at +15°C)

After 4 hours (at +20°C)

After 3,5 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)

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 EU COCHEM 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

EU COFLOOR ASPARTIC is available as follows:

20 kg set:

Comp. A: 16,6 kg

Comp. B: 3,4 kg

EU COFLOOR 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 EU COCHEM 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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